



YOKO TECHNOLOGY CORP.

2012 PRODUCT CATALOG



We design and make what's
ON YOUR MIND!

<http://www.yoko-tech.com>



Company Profile

The No.1 manufacturer of the professional surveillance camera around the world !

Established in 1992, YOKO Technology Corp., is now a well-known professional video surveillance system manufacturer in Taiwan. We have been dedicating to R&D, manufacturing and marketing of video surveillance products. Accumulating 17 years of efforts, we have taken advantage of the vast experience in our core technologies in CCTV field.

YOKO has grown to be a world-renowned video surveillance system manufacturer. According to the studies of a famous market survey institute in Japan, YOKO had become the No.1 manufacturer of the professional surveillance camera around the world in 2004.

YOKO has successfully developed a variety of CCTV Camera, Quad Processor, Multiplexer, DVR, IP Camera, Video Server, Portable Product, CCTV Lens, Monitor and other peripherals to meet all requirements from customers. It is the best solution for " one-stop shopping " .

Our strong R&D team always devotes efforts to the full range of CCTV products. All of YOKO merchandise are derived from a precise design, manufacturing and testing process which assures good functions, stable quality, fast and punctual delivery, as well as competitive pricing. We have hence gained a prestigious success and recognition among our customers in the world. YOKO has grown to be a high-tech manufacturer and integrator of video surveillance system.





Contents



We design and make what's
ON YOUR MIND!

Product Selection Guide	01
HD CCTV Camera	13
CCTV Camera	26
DVR & PSR	69
IP Surveillance	77
Vehicle Recorder & GPS Tracker	86
Wireless Surveillance System with Solar Powered	93
Accessory	97





HD CCTV

Image							
Model No.	RYK-H221	RYK-H222	RYK-H222/1	RYK-H223	RYK-H224	RYK-H224/1	RYK-H225
Image Sensor	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS
Min Illumination	0.1 Lux	0.1 Lux	0.1 Lux	0.1 Lux	0.1 Lux	0.1 Lux	0.5 Lux
Lens	C/CS	Board Lens	Board Lens	Vari-Focal Lens	Vari-Focal Lens	Board Lens	No Lens
Resolution	1080P	1080P	1080P	1080P	1080P	1080P	1080P
Day /Night	ICR	20M ICR	20M ICR	20M ICR	40M ICR	20M ICR	ICR (Optional)
Function	ATR-EX,DNR	ATR-EX,DNR	ATR-EX,DNR	ATR-EX,DNR	ATR-EX,DNR	DNR	ATR-EX, DNR, DSS
Control	OSD	OSD	OSD	OSD	OSD	OSD	—
IP	—	—	—	IP66	IP66	IP68	—
Power Source	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC	DC
Page	14	15	16	17	18	19	20









**If you want to more information for HD DVR and accessory , please refer to page 70 and 99.*

HD CCTV

Image							
Model No.	RYK-H365	RYK-H231	RYK-H371	RYK-H233	RYK-H234	RYK-H235	RYK-H236
Image Sensor	1/3" Color Sony Exmor 1.0 Megapixel CCD	1/2.8" Color Sony Exmor 3.0 MegaPixel CMOS	1/3" Color Sony Exmor 1.0 Megapixel CCD	1/3" Color Sony Exmor 3.0 MegaPixel CMOS	1/3" Color Sony Exmor 3.0 MegaPixel CMOS	1/3" Color Sony Exmor 3.0 MegaPixel CMOS	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
Min Illumination	0.03 Lux	0.1 Lux	0.03 Lux	0.1 Lux	0.1 Lux	0.1 Lux	0.1 Lux
Lens	C/CS Vari-Focal	18X Zoom	18X Zoom	18X Zoom	18X Zoom	18X Zoom	18X Zoom
Resolution	720P	1080P	720P	1080P	1080P	1080P	1080P
Day /Night	ICR (Optional)	ICR	ICR	ICR	ICR	ICR	ICR
Function	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS	ATR-EX, DNR, DSS
Control	—	—	—	OSD	OSD	OSD	OSD (IR Controller)
IP	—	—	—	IP66	IP66	—	—
Power Source	DC	DC	DC	DC	DC	DC	DC
Page	21	22	23	24	24	24	25



SPEED DOME

Image								
Model No.	RYK-S633/1 RYK-S634/1	RYK-S613/1 RYK-S614/1	RYK-2E14/1 (A&B)	RYK-2E10/1 (A&B)	RYK-S635	RYK-S615	RYK-2E14	RYK-2E10
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/4" Color Sony Super HAD II WD CCD	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II WD CCD	1/4" Color Sony Super HAD II WD CCD	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Super HAD II CCD
Min Illumination	0.05 Lux	0.05 Lux	0.03 Lux	0.03 Lux	0.05 Lux	0.05 Lux	0.03 Lux	0.03 Lux
Lens	18X Zoom	36X Zoom	36X Zoom	22X Zoom	18X Zoom	36X Zoom	36X Zoom	22X Zoom
Resolution	700TVL	600TVL	600TVL	600TVL	700TVL	600TVL	600TVL	600TVL
Day /Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Function	WDR, ATR-EX, DNR, DSS, DIS	WDR, ATR-EX, DNR, DSS, DIS	AI, ATR-EX, DNR, DSS, DIS	AI, ATR-EX, DNR, DSS, DIS	WDR, ATR-EX, DNR, DSS, DIS	WDR, ATR-EX, DNR, DSS, DIS	AI, ATR-EX, DNR, DSS, DIS	AI, ATR-EX, DNR, DSS, DIS
Control	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)	OSD (RS422 / RS485)
IP	IP66	IP66	IP66	IP66	—	—	—	—
Power Source	DC, AC	DC, AC	DC, AC	DC, AC	DC	DC	DC	DC
Page	31	32	34	33	31	32	34	33

AUTO FOCUS ZOOM MODULE

Image						
Model No.	RYK-S631	RYK-S611	RYK-AF313	RYK-AF212	RYK-AF211	RYK-AF201
Image Sensor	1/4" Color Sony Super HAD II WD CCD	1/4" Color Sony Super HAD II WD CCD	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Super HAD II WD CCD	1/4" Color Sony Super HAD II WD CCD
Min Illumination	0.05 Lux	0.05 Lux	0.03 Lux	0.03 Lux	0.03 Lux	0.03 Lux
Lens	18X Zoom	36X Zoom	36X Zoom	22X Zoom	22X Zoom	22X Zoom
Resolution	700TVL	600TVL	600TVL	600TVL	420TVL	340TVL
Day /Night	ICR	ICR	ICR	—	—	—
Function	AI, WDR, ATR-EX, DNR, DSS, DIS	AI, WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	AI, AGC, BLC, FL	AGC, BLC, FL	AI, AGC, BLC, FL
Control	OSD(RS232)	OSD(RS232)	OSD(RS232)	OSD(RS232)	OSD(RS232)	OSD(RS232)
IP	—	—	—	—	—	—
Power Source	DC	DC	DC	DC	DC	DC
Page	35	35	36	36	37	37



AUTO FOCUS ZOOM CAMERA

Image						
Model No.	RYK-S632	RYK-S612	RYK-AF313A	RYK-AF212A	RYK-AF211A	RYK-AF201A
Image Sensor	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Super HAD II CCD
Min Illumination	0.05 Lux	0.05 Lux	0.03 Lux	0.03 Lux	0.03 Lux	0.03 Lux
Lens	18X Zoom	36X Zoom	36X Zoom	22X Zoom	22X Zoom	22X Zoom
Resolution	700TVL	600TVL	600TVL	600TVL	420TVL	340TVL
Day /Night	ICR	ICR	ICR	—	—	—
Function	AI, WDR, ATR-EX, DNR, DSS, DIS	AI, WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	AGC, BLC, FL	AI, AGC, BLC, FL
Control	OSD	OSD	OSD	OSD	OSD	OSD
IP	—	—	—	—	—	—
Power Source	DC	DC	DC	DC	DC	DC
Page	38	38	39	39	40	40

BOX CAMERA

Image								
Model No.	RYK-S601	RYK-S501	RYK-CA97DR	RYK-CA93DR	RYK-CA67D	RYK-CA63D	RYK-275F RYK-475F	RYK-268F RYK-468F
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Exview HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Min Illumination	0.01 Lux	0.005 Lux	0.01 Lux	0.1 Lux	0.01 Lux	0.1 Lux	0.05 Lux	0.1 Lux
Lens	C/CS	C/CS	C/CS	C/CS	C/CS	C/CS	C/CS	C/CS
Resolution	700TVL	700TVL	700TVL	600TVL	700TVL	600TVL	420TVL	540TVL
Day /Night	ICR	ICR	ICR	ICR	—	—	—	—
Function	WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	ATR, DNR, CRS, HLC	SSWDR, DNR, LSC, HLC	ATR, DNR, CRS, HLC	SSWDR, DNR, LSC, HLC	Standard	Standard
Control	OSD	OSD	OSD	OSD	OSD	OSD	—	—
IP	—	—	—	—	—	—	—	—
Power Source	DC, Dual	DC, Dual	DC	DC	DC	DC	DC	DC
Page	41	41	42	43	42	43	44	44



IR CAMERA

Image							
Model No.	RYK-S604	RYK-S504	RYK-2W97	RYK-2W93	RYK-2W79	RYK-2W49	RYK-2Q97/7
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD
Min Illumination	0.01 Lux	0.005 Lux	0.01 Lux	0.1 Lux	0.1 Lux	0.05 Lux	0.01 Lux
Lens	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Board Lens
Resolution	700TVL	700TVL	700TVL	600TVL	540TVL	420TVL	700TVL
Day /Night	40M (ICR)	40M (ICR)	40M (ICR)	40M (ICR)	40M (ICR)	40M (ICR)	50M
Function	WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	ATR, DNR, CRS, HLC	SSWDR, DNR, HLC	Standard	Standard	DNR
Control	OSD	OSD	OSD	OSD	OSD / DIP	DIP	—
IP	IP66	IP66	IP66	IP66	IP66	IP66	IP68
Power Source	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC
Page	45	45	46	46	47	47	48

IR CAMERA

Image							
Model No.	RYK-2Q79/7	RYK-2B97	RYK-2B79	RYK-2B49	RYK-2Q92/5	RYK-2Q79/5	RYK-2Q49/5
Image Sensor	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD
Min Illumination	0.1 Lux	0.01 Lux	0.1 Lux	0.05 Lux	0.05 Lux	0.1 Lux	0.05 Lux
Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Resolution	600TVL	700TVL	540TVL	420TVL	420TVL	540TVL	420TVL
Day /Night	50M	20M	20M	20M	20M / 30M	20M / 30M	20M / 30M
Function	Standard	DNR	Standard	Standard	Standard	Standard	Standard
Control	—	—	—	—	—	—	—
IP	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Power Source	DC	DC	DC	DC	DC	DC	DC
Page	48	49	49	49	50	50	50



VANDAL PROOF DOME CAMERA

Image							
Model No.	RYK-S603	RYK-S503	RYK-2H97L/7	RYK-2H93L/7	RYK-2H79L/7	RYK-2H97	RYK-2H93
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD
Min Illumination	0.005 Lux	0.01 Lux	0.01 Lux	0.1 Lux	0.1 Lux	0.01 Lux	0.1 Lux
Lens	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Board Lens	Board Lens
Resolution	700TVL	700TVL	700TVL	600TVL	540TVL	700TVL	600TVL
Day /Night	20M (ICR)	20M (ICR)	20M (ICR) (Optional)	20M (ICR) (Optional)	20M (ICR) (Optional)	—	—
Function	WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, CRS, HLC	SSWDR, DNR, LSC, HLC	Standard	DNR	Standard
Control	OSD	OSD	OSD	OSD	OSD	OSD (Optional)	OSD (Optional)
IP	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Power Source	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC	DC
Page	51	51	52	52	53	54	54

VANDAL PROOF DOME CAMERA

Image								
Model No.	RYK-2H79	RYK-2H49	RYK-2Y97VR/4	RYK-2Y79VR/4	RYK-2Y49VR/4	RYK-2Y97L2/3	RYK-2Y79L2/3	RYK-2Y49L2/3
Image Sensor	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD
Min Illumination	0.1 Lux	0.05 Lux	0.01 Lux	0.1 Lux	0.05 Lux	0.01 Lux	0.1 Lux	0.05 Lux
Lens	Board Lens	Board Lens	Vari-Focal	Vari-Focal	Vari-Focal	Board Lens	Board Lens	Board Lens
Resolution	540TVL	420TVL	700TVL	540TVL	420TVL	700TVL	540TVL	420TVL
Day /Night	—	—	20M (ICR)	20M (ICR)	20M (ICR)	20M	20M	20M
Function	Standard	Standard	DNR	Standard	Standard	DNR	Standard	Standard
Control	OSD	—	—	—	—	—	—	—
IP	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Power Source	DC, Dual	DC, Dual	DC	DC	DC	DC	DC	DC
Page	54	54	55	56	56	57	57	57



INDOOR DOME CAMERA

Image								
Model No.	RYK-S602	RYK-S502	RYK-2G97/7	RYK-2G93/7	RYK-2G97L/2	RYK-2G79L/2	RYK-2G49L/2	RYK-2397
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD
Min Illumination	0.005 Lux	0.01 Lux	0.01 Lux	0.05 Lux	0.01 Lux	0.1 Lux	0.05 Lux	0.01 Lux
Lens	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Vari-Focal	Board Lens
Resolution	700TVL	700TVL	700TVL	420TVL	700TVL	540TVL	420TVL	700TVL
Day /Night	20M (ICR)	20M (ICR)	20M (ICR) (Optional)	20M (ICR) (Optional)	20M (ICR) (Optional)	20M (ICR) (Optional)	20M (ICR) (Optional)	—
Function	WDR, ATR-EX, DNR, DSS, DIS	ATR-EX, DNR, DSS, DIS	Standard	Standard	ATR, DNR, CRS, HLC	AES, AGC, BLC, FL	AES, AGC, BLC, FL	Standard
Control	OSD	OSD	OSD	OSD	OSD	OSD / DIP	DIP	—
IP	—	—	—	—	—	—	—	—
Power Source	DC, Dual	DC, Dual	DC, Dual	DC, Dual	DC	DC	DC	DC
Page	58	58	59	59	60	60	60	61

INDOOR DOME CAMERA

Image								
Model No.	RYK-2379	RYK-2349	RYK-2497	RYK-2479	RYK-2449	RYK-2J97	RYK-2J79	RYK-2J49
Image Sensor	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD
Min Illumination	0.1 Lux	0.05 Lux	0.01 Lux	0.1 Lux	0.05 Lux	0.01 Lux	0.1 Lux	0.05 Lux
Lens	Board Lens	Board Lens	Vari-Focal	Vari-Focal	Vari-Focal	Board Lens	Board Lens	Board Lens
Resolution	540TVL	420TVL	700TVL	540TVL	420TVL	700TVL	540TVL	420TVL
Day /Night	—	—	—	—	—	—	—	—
Function	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Control	—	—	—	—	—	—	—	—
IP	—	—	—	—	—	—	—	—
Power Source	DC	DC	DC	DC	DC	DC	DC	DC
Page	61	61	61	61	61	61	61	61



HIDDEN CAMERA

Image											
Model No.	RYK-2897/1	RYK-2893/1	RYK-2879	RYK-2849	RYK-2697	RYK-2611	RYK-2597S	RYK-2592S RYK-2512S	RYK-2739	RYK-2C54	
Image Sensor	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Super HAD II CCD	
Min Illumination	0.01 Lux	0.1 Lux	0.1Lux	0.05 Lux	0.01 Lux	0.05Lux	0.01 Lux	0.05 Lux	0.05 Lux	0.05 Lux	
Lens	Board Lens	Board Lens	Board Lens Phi-hole Lens	Board Lens Phi-hole Lens	Cone Lens	Cone Lens	Cone Lens	Cone Lens	Board Lens	Cone Lens	
Resolution	700TVL	600TVL	540TVL	420TVL	700TVL	420TVL	700TVL	420TVL	330TVL	420TVL	
Day /Night	-	-	-	-	-	-	-	-	-	-	
Function	DNR	-	-	-	DNR	-	DNR	-	-	-	
OSD DIP Switch	-	-	-	-	-	-	-	-	-	-	
IP	-	-	-	-	-	-	-	-	-	-	
Power Source	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	
Page	62	62	62	62	63	63	63	63	64	64	

BOARD CAMERA

Image									
Model No.	RYK-S605	RYK-S505	RYK-2097	RYK-2096	RYK-2092	RYK-2093	RYK-2049	RYK-2079	RYK-2082
Image Sensor	1/3" Color Sony Super HAD II WD CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Exview Super HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Normal-Res.CCD	1/3" Color Hi-Res.CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res.CCD	1/4" Color Sony Super HAD CCD
Min Illumination	0.005 Lux	0.01 Lux	0.01 Lux	0.02 Lux	0.05 Lux	0.1 Lux	0.05 Lux	0.1 Lux	0.1 Lux
Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Resolution	700TVL	700TVL	700TVL	600TVL	420TVL	600TVL	420TVL	540TVL	380TVL
Day /Night	ICR	ICR	ICR	ICR	ICR	ICR	-	-	-
Function	42x42 (Double Board)	42x42 (Double Board)	32x32	32x32	32x32	32x32	32x32 (Double Board)	32x32	32x32
OSD DIP Switch	OSD	OSD	External OSD (Double Board)	External OSD (Double Board)	External OSD (Double Board)	External OSD (Double Board)	-	-	-
IP	-	-	-	-	-	-	-	-	-
Power Source	DC	DC	DC	DC	DC	DC	DC	DC	DC
Page	65	65	66	66	67	67	68	68	68



Production Guide

YOKO Product Catalog 2012



DVR

Image						
Model No.	RYK-9274	RYK-9266	RYK-9246	RYK-9248	RYK-9244	RYK-9240
Video Channel	4	16	16	8	4	4
Audio Channel	4	16	4	4	1	1
Resolution	1920x1080(1080P)	704x480 (D1)	704x480 (D1)	704x480 (D1)	704x480 (D1)	704x480 (D1)
Frame Rate	60 FPS	480 FPS	120 FPS	120 FPS	120 FPS	120 FPS
VGA	YES	YES	YES	YES	YES	YES
Mouse	USB	USB	USB	USB	USB	USB
HDD(SSATA)	Max. 6	Max. 4	Max. 4	Max. 2	Max. 2	Max. 1
ODD	DVD	DVD	DVD	DVD	DVD	NO
AP	YES	YES	YES	YES	YES	YES
Network Browser	YES	YES	YES	YES	YES	YES
Mobile	YES	YES	YES	YES	YES	YES
CMS	YES	YES	YES	YES	YES	YES
Page	70	71	72	72	72	72

PSR

Image						
Model No.	RYK-9116	RYK-9106	RYK-9114	RYK-9122	RYK-9118	RYK-9115
Compression	H.264	MPEG	H.264	MPEG	H.264	MPEG
Resolution	704x480	640x480	704x480	640x480	704x480	640x480
Frame Rate	30 FPS	12 FPS	30 FPS	12 FPS	30 FPS	12 FPS
Camera	NO	NO	NO	NO	External Video IN	1/4" CCD
Storage	SDHC Card (Max. 32GB)	SDHC Card (Max. 32GB)	SDHC Card (Max. 32GB)	SDHC Card (Max. 32GB)	SDHC Card (Max. 32GB)	SDHC Card (Max. 32GB)
Power Supply	DC 12V	DC 12V	2xAA Batteries or DC 5V	2xAA Batteries or DC 5V	2xAA Batteries or DC 5V	DC 12V
Display	NO	NO	NO	NO	NO	NO
Page	73	73	74	74	75	76



Production Guide

YOKO Product Catalog 2012



BOX IP CAMERA

Image							
Model No.	RYK-IP3S02	RYK-IP3X02(CMOS)	RYK-IP3X02(CCD)	RYK-IP3D02	RYK-IP3C02	RYK-IP3802	RYK-IP3H02
Image Sensor	1/2" CMOS 10.0 Megapixel	1/3" SONY Exmor CMOS 2.0 Megapixel	1/3" SONY Exmor CCD 1.0 Megapixel	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.5" SONY Exmor CMOS 5.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/4" CMOS 1.3 Megapixel
Lens	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount	C/CS Mount
Minimum Illumination	0.2 Lux @ F1.2	0.2 Lux @ F1.2	0.05 Lux @ F1.2	0.2 Lux @ F1.2	0.5 Lux @ F1.2	0.5 Lux @ F1.2	0.5 Lux @ F1.2
Max Video Resolution	3648 x 2752, 1920 x 1080	1920 x 1080	1280 x 720	2480 x 1536, 1920 x 1080	2594 x 1944	1920 x 1080	1280 x 720
Frame Per Second	3648 x 2752 Up to 10FPS 1920 x 1080 Up to 60FPS	1920 x 1080 Up to 30FPS	1280 x 720 Up to 30FPS	2480 x 1536 Up to 20FPS 1920 x 1080 Up to 30FPS	2594 x 1944 Up to 10FPS	1920 x 1080 Up to 30FPS	1280 x 720 Up to 30FPS
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Stream	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Network	10/100/1000 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps
ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
Audio Support	Two-way	Two-way	Two-way	Two-way	Two-way	Two-way	Two-way
Digital Input / Outputs	2/1	2/1	1/1	1/1	1/1	1/1	1/1
Storage	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC
Serial Connectors	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485
Network Application	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
WeatherProof	-	-	-	-	-	-	-
Intelligent Video	DNR Object Detection Tamper Detection Privacy Mask	WDR, DNR Object Detection Tamper Detection Privacy Mask	WDR, DNR Object Detection Tamper Detection Privacy Mask	WDR Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask
Others	-	-	-	-	-	-	-
Page	79	79	79	79	79	79	79

SPEED DOME / DOME IP CAMERA

Image						
Model No.	RYK-IP8B31	RYK-IP8M31	RYK-IP6D31	RYK-IP6831	RYK-IP4D31	RYK-IP4831
Image Sensor	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.7" CMOS 2.0 Megapixel
Lens	36X Zoom Module (With ICR) 3.4-122.4mm/ F1.6-4.5	18X Zoom Module (With ICR) 4.7-84.6mm/ F1.6-3.5	Variofocal Lens (With ICR) 2.8 ~ 10mm / F1.2	Variofocal Lens (With ICR) 2.8 ~ 10mm / F1.2	Variofocal Lens (With ICR) 2.8 ~ 10mm / F1.2	Variofocal Lens (With ICR) 2.8 ~ 10mm / F1.2
Minimum Illumination	0.5 Lux @ F1.2	0.1 Lux @ F1.2	0.2 Lux @ F1.2	0.5 Lux @ F1.2	0.2 Lux @ F1.2	0.5 Lux @ F1.2
Max Video Resolution	704x480 (60HZ) 704x576 (50HZ)	1920 x 1080	2480 x 1536, 1920 x 1080	1920 x 1080	2480 x 1536, 1920 x 1080	1920 x 1080
Frame Per Second	PAL Up to 25FPS NTSC Up to 30FPS	1920 x 1080 Up to 30FPS	2480 x 1536 Up to 20FPS 1920 x 1080 Up to 30FPS	1920 x 1080 Up to 30FPS	2480 x 1536 Up to 20FPS 1920 x 1080 Up to 30FPS	1920 x 1080 Up to 30FPS
Video Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Stream	Triple	Triple	Triple	Triple	Triple	Triple
Network	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps
ICR	ICR	ICR	ICR	ICR	ICR	ICR
Audio Support	Two-way	Two-way	Two-way	Two-way	Two-way	Two-way
Digital Input / Outputs	1/1	1/1	1/1	1/1	1/1	1/1
Storage	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC
Serial Connectors	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485
Network Application	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
WeatherProof	IP66	IP66	IP66	IP66	-	-
Intelligent Video	3D De-Interlace Double Scan WDR Motion Detection Privacy Mask	WDR Motion Detection Privacy Mask	WDR Motion Detection Privacy Mask	Motion Detection Privacy Mask	WDR Motion Detection Privacy Mask	Motion Detection Privacy Mask
Others	Heater, Vandal Proof	Heater, Vandal Proof	IR Illuminators Heater, Vandal Proof	IR Illuminators Heater, Vandal Proof	IR Illuminators	IR Illuminators
Page	82	82	80	80	80	80



Production Guide

YOKO Product Catalog 2012



DVS

Image		
Model No.	RYK-VS341	RYK-VS311
Type	H.264 4CH D1 Real Time DVS	H.264 1CH D1 Real Time DVS
IMax Video Resolution	704x480 (60HZ), 704x576 (50HZ)	704x480 (60HZ), 704x576 (50HZ)
Frame Per Second	PAL Up to 25FPS, NTSC Up to 30FPS	PAL Up to 25FPS, NTSC Up to 30FPS
Video Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Video Source	4 x BNC In ; 1 x BNC Out	1 x BNC In ; 1 x BNC Out
Audio Source	4 x LINE In ; 1 x LINE Out	1 x LINE In ; 1 x LINE Out
Audio Source	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection
Stream	Triple	Triple
Network	10/100/1000 Mbps	10/100/1000 Mbps
Audio Support	Two-way	Two-way
Digital Input / Output	4/4	1/1
Storage	SD/SDHC	MircoSD/SDHC
Serial Connectors	RS-485	RS-485
Network Application	Wireless (IEEE 802.11b/g/n), Wireless (3.5G Modem)	PoE (IEEE 802.3af) (To-be-Decided)
Intelligent Video	DNR, 3D De-Interlace Motion Detection, Privacy Mask	DNR, 3D De-Interlace Motion Detection, Privacy Mask
Others	USB Connector, Device Control Button	-
Page	83	83

PTZ / IR / CUBE IP CAMERA

Image							
Model No.	RYK-IP2M31	RYK-IP5D31	RYK-IP5831	RYK-IP1831	RYK-IP1800	RYK-IP1H30	RYK-IP1H00
Image Sensor	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.8" SONY Exmor CMOS 3.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/2.7" CMOS 2.0 Megapixel	1/4" CMOS 1.3 Megapixel	1/4" CMOS 1.3 Megapixel
Lens	18X Zoom Module (With ICR) 4.7-84.6mm/ F1.6-3.5	Varifocal Lens (With ICR) 3.6 ~ 16mm / F1.2	Varifocal Lens (With ICR) 3.6 ~ 16mm / F1.2	Fixed Lens 4.3mm/ F2.8	Fixed Lens 4.3mm/ F2.8	Fixed Lens 4.3mm/ F2.8	Fixed Lens 4.3mm/ F2.8
Minimum Illumination	0.1 Lux @ F1.2	3 Lux @ F1.2 (IR ON) 8 Lux @ F1.2 (IR OFF)	3 Lux @ F1.2 (IR ON) 8 Lux @ F1.2 (IR OFF)	0.5 Lux @ F1.2	0.5 Lux @ F1.2	0.5 Lux @ F1.2	0.5 Lux @ F1.2
Max Video Resolution	1920 x 1080	2480 x 1536, 1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1280 x 720	1280 x 720
Frame Per Second	1920 x 1080 Up to 30FPS	2480 x 1536 Up to 20FPS 1920 x 1080 Up to 30FPS	1920 x 1080 Up to 30FPS	1920 x 1080 Up to 30FPS	1920 x 1080 Up to 30FPS	1280 x 720 Up to 30FPS	1280 x 720 Up to 30FPS
Video Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Stream	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Network	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps
ICR	ICR	ICR	ICR	ICR	ICR	-	-
Audio Support	Two-way	Two-way	Two-way	Two-way	Two-way	Two-way	Two-way
Digital Input / Outputs	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Storage	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC	MircoSD/SDHC
Serial Connectors	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485
Network Application	PoE (IEEE 802.3af) Wireless (IEEE 802.11b/g/n)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	PoE (IEEE 802.3af) Wireless (IEEE 802.11b/g/n)	PoE (IEEE 802.3af) Wireless (IEEE 802.11b/g/n)	PoE (IEEE 802.3af) Wireless (IEEE 802.11b/g/n)	PoE (IEEE 802.3af) Wireless (IEEE 802.11b/g/n)
WeatherProof	-	IP66	IP66	-	-	-	-
Intelligent Video	WDR Motion Detection Privacy Mask	WDR Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask	Motion Detection Privacy Mask
Others	-	IR Illuminators Dual Power, Heater	IR Illuminators Dual Power, Heater	IR Illuminators REC Button	IR Illuminators(Optional) REC Button	IR Illuminators REC Button	IR Illuminators(Optional) REC Button
Page	82	81	81	81	81	81	81



YOKO HD CCTV

Total Solution **Full HD**

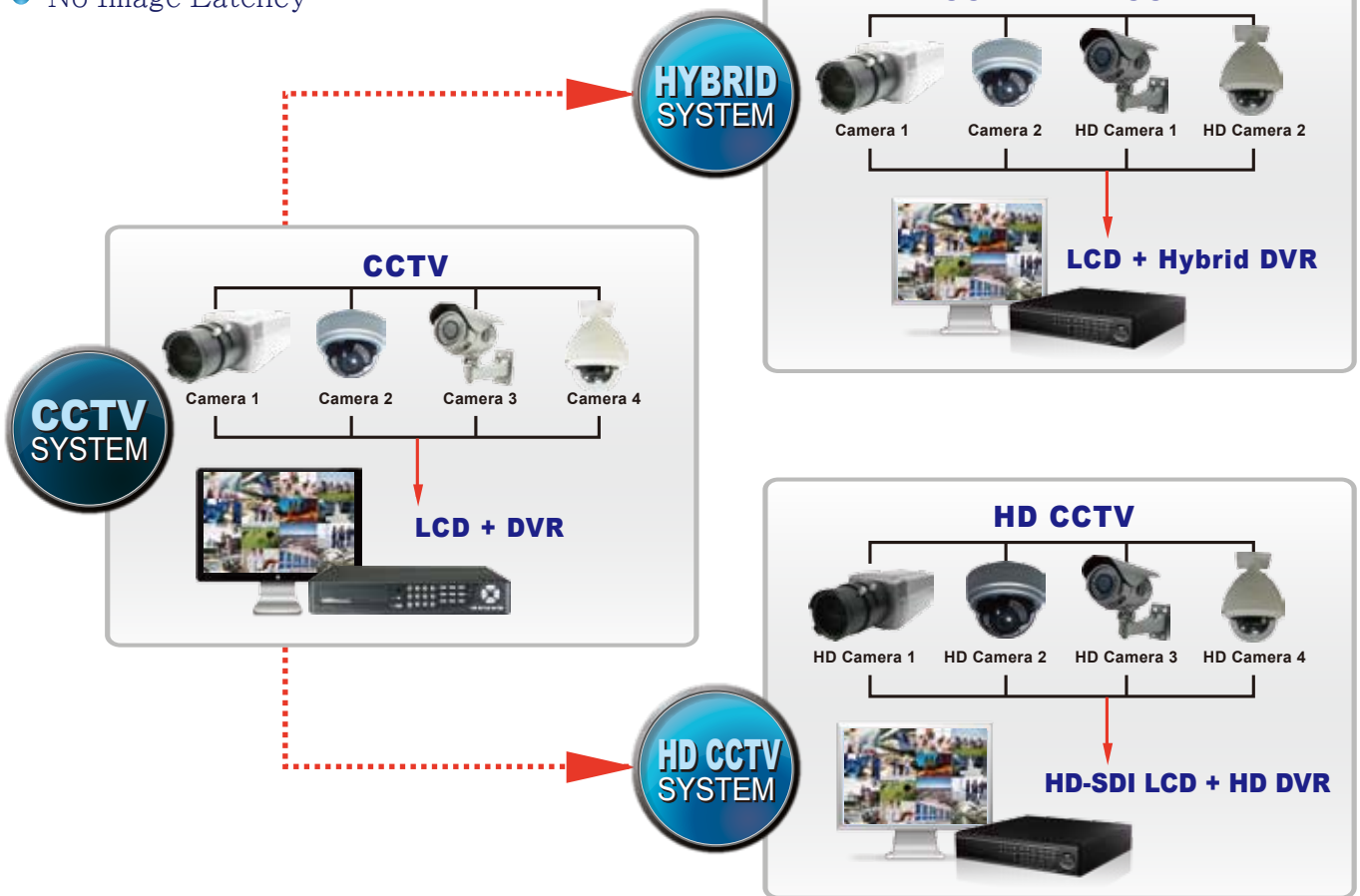
Application

High Quality

High Resolution

Upgrade System

- HD-SDI Video Transfer
- Full HD 1080P Recording Performance
- No Image Latency

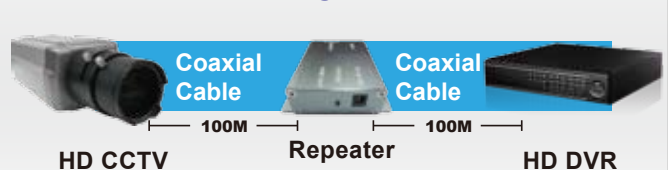


HD-CCTV SYSTEM Configuration & Accessories

SDI to HDMI Converter



HD-SDI In







Feature







Upgrade Your Analog System to **Fuji HD 1080P** !!
High-Definition Picture Quality

Resolution

CCTV 	HD CCTV 
4:3	16:9
	
D1	1080P






Real-Time Image

IP Camera 	HD CCTV 
	
15~30 FPS	30 FPS



Progressive Scan



CCTV 	HD CCTV 
Interlace Scan	Progressive Scan
	
Indistinct	Clear and High Quality

Non-Compression

 IP Camera 	HD CCTV 
	
Indistinct	Clear and High Quality

Plug & Play



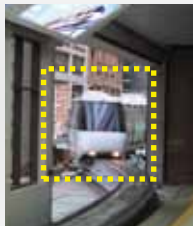

CCTV  Upgrade! **HD CCTV** 

Coaxial Cable   

Upgrade! 

Non-Latency

IP Camera 	HD CCTV 
	
Latency	Realtime



HD CCTV Camera

YOKO TECHNOLOGY CORP.



- Box Camera
- Dome Camera
- IR Camera
- Board Camera
- Auto Focus Zoom Camera
- Speed Dome Camera
- PTZ Camera



RYK-H221

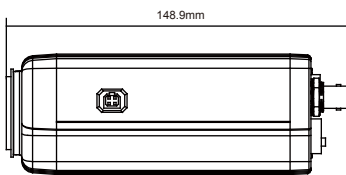
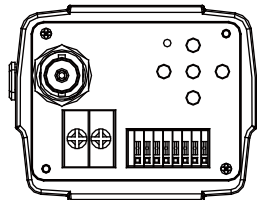
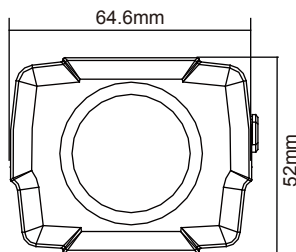
HD CCTV Full HD CMOS BOX Camera

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- Built-in OSD
- Built-in Automatic ICR Module [RYK-H221DR]
- C/CS Mount
- Scene Modes Application
- Optional: AC Power 100~240V
Dual Power DC12V / AC24V



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H221D	RYK-H221DR
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution (Frame Rates)	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P
	Illumination	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	C / CS Mount
	Aspect Ratio	16:9
	Iris Control	Auto / Manual
DAY / NIGHT	IR-Cut filter Removable	N/A / Yes
	Day & Night I/O	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	Yes
	Language	English
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	On / Off
	Positive / Negative	On / Off
	Privacy Masking	On / Off
	Camera Title	Yes
	View Mode	CRT / LCD / User
	GENERAL	I/O Interface
Remote Control		Pelco D / P
Baud Rate		9600
Video Output		HD-SDI (BNC)
Dimension (incl. BNC)		64.6x52x148.9mm
Power Supply		DC12V (Optional: DC12V/AC24V : AC100~240V)
Power Consumption		550mA
Operating Temp.		-10°C ~ 50°C (14°F to 122°F)

RYK-H222

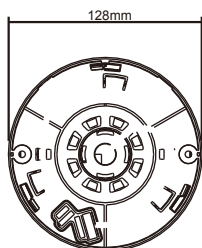
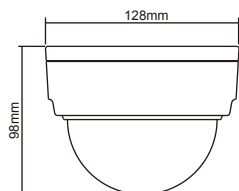
HD CCTV Full HD CMOS Indoor Dome Camera

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- Built-in OSD
- Built-in Megapixel Vari-Focal Lens
- Built-in 24 Pieces IR-LED (up to 20M) [RYK-H222DL2VR]
- 3-AXIS Mechanism Design
- Scene Modes Application
- Optional: Dual Power DC12V/AC24V



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H222DVF	RYK-H222DL2VR
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution (Frame Rates)	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P
	Illumination	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	VF/VR: Varo-Focal 2.8~10mm / F1.2
	Focal Length	R190131
	Aspect Ratio	16:9
	Iris Control	Auto / Manual
DAY / NIGHT	IR-Cut filter Removable	N/A / Yes
	Day & Night	Auto / Day / Night / External
	Infrared Luminary	N/A / 24 Pieces IR- LED
	Illumination Distance	N/A / 20 M
	Wavelength	N/A / 850 nm
	Light Transistor	N/A / Yes
FUNCTIONS	On-Screen-Display (OSD)	Yes
	Language	English
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	On / Off
	Positive / Negative	On / Off
	Privacy Masking	On / Off
	Camera Title	Yes
	View Mode	CRT / LCD / User
GENERAL	I/O Interface	RS485/422, D/I, D/O
	Remote Control	Pelco D / P
	Baud Rate	9600
	Video Output	HD-SDI (BNC)
	Dimension (incl. BNC)	128x98mm
	Power Supply	DC12V (Optional: DC12V/AC24V)
	Power Consumption	750mA
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)

RYK-H222/1 ^{1080P} Full HD

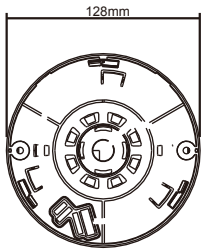
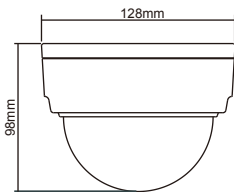
HD CCTV Indoor Dome Camera (Board Lens)

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- 2D Noise Reduction
- Built-in Megapixel Board Lens
- Built-in 24 Pieces IR-LED (up to 20M) [RYK-H222L2/1]
- 3-AXIS Mechanism Design



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H222/1	RYK-H222L2/1	
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS	
	Picture Elements	Approx. 3M (1920H × 1080V)	
	Resolution (Frame Rates)	1080_25P / 1080_30P	
	Illumination	0.1 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50(60)~1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Board Lens 4mm / F2.0	
	Aspect Ratio	16:9	
	Iris Control	Fixed	
DAY / NIGHT	IR-Cut filter Removable	N/A	Yes
	Day & Night	Day	External
	Infrared Luminary	N/A	24 Pieces IR- LED
	Illumination Distance	N/A	20 M
	Wavelength	N/A	850 nm
	Light Transistor	N/A	Yes
FUNCTIONS	On-Screen-Display (OSD)	N/A	
	Language	N/A	
	Digital Noise Reduction (DNR)	On	
	White Balance	Auto	
	Gain Control	Auto	
GENERAL	Video Output	HD-SDI (BNC)	
	Dimension (incl. BNC)	128x98mm	
	Power Supply	DC12V	
	Power Consumption	650mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-H223 1080P Full HD

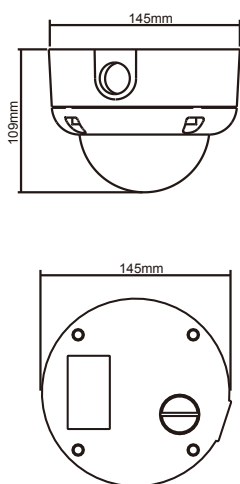
HD CCTV Outdoor Dome Camera

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- Built-in OSD
- Built-in Megapixel Vari-Focal Lens
- Built-in 24 Pieces IR-LED (up to 20M) [RYK-H223DL2VR]
- 3-AXIS Mechanism Design
- Vandal Proof Design
- Weatherproofing
- Scene Modes Application
- Optional: Dual Power DC12V/AC24V



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H223DVF	RYK-H223DL2VR
VIDEO	Image Device	
	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS	
	Picture Elements	
	Approx. 3M (1920H × 1080V)	
	Resolution (Frame Rates)	
	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P	
	Illumination	
0.1 Lux @ F1.2 Color Mode		
LENS	S/N Ratio	
	More than 50dB	
	Electronic Shutter	
	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	
	0.45	
	Lens Drive Type	
VF/VR: Varo-Focal 2.8~10mm / F1.2		
DAY / NIGHT	Focal Length	
	R190131	
	Aspect Ratio	
	16:9	
	Iris Control	
	Auto / Manual	
	IR-Cut filter Removable	
N/A	Yes	
Day & Night		
Auto / Day / Night / External		
Infrared Luminary		
N/A	24 Pieces IR- LED	
Illumination Distance		
N/A	20 M	
Wavelength		
N/A	850 nm	
Light Transistor		
N/A	Yes	
FUNCTIONS	On-Screen-Display (OSD)	
	Yes	
	Language	
	English	
	Wide Dynamic Range (WDR)	
	On / Off	
	Digital Noise Reduction (DNR)	
	On / Off	
	White Balance	
	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	
	Auto	
	Back Light Comp.	
	On / Off	
	Flickerless Mode	
On / Off		
Mirror		
On / Off		
Freeze		
On / Off		
Positive / Negative		
On / Off		
Privacy Masking		
On / Off		
Camera Title		
Yes		
View Mode		
CRT / LCD / User		
GENERAL	Vandal Proof	
	Yes	
	Weatherproof	
	Yes	
	I/O Interface	
	RS485/422, D/I, D/O	
	Remote Control	
	Pelco D / P	
	Baud Rate	
	9600	
Video Output		
HD-SDI (BNC)		
Dimension (incl. BNC)		
145x109mm		
Power Supply		
DC12V(Optional: DC12V/AC24V)		
Power Consumption		
750mA		
Operating Temp.		
-10°C ~ 50°C (14°F to 122°F)		

RYK-H224



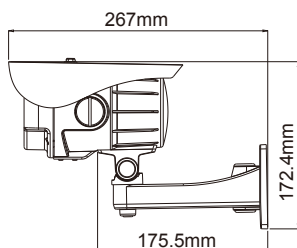
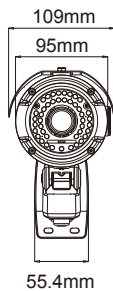
HD CCTV IR Camera

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- Built-in OSD
- Built-in Megapixel ICR Vari-Focal Lens
- Built-in 42 Pieces IR-LED (up to 10 / 20 / 40M Selectable)
- Dual Window Structure
- Concealed Cable Bracket
- Weatherproofing
- Scene Modes Application
- Optional: Dual Power DC12V/AC24V Heater



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H224DL4VR	
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution (Frame Rates)	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P
	Illumination	0.1 Lux @F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50(60)~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	VF/VR: Varo-Focal 3.6~16mm / F1.2
	Focal Length	R190132
	Aspect Ratio	16:9
	Iris Control	Auto / Manual
DAY / NIGHT	IR-Cut filter Removable	Yes
	Day & Night	Auto / Day / Night / External
	Infrared Luminary	42 Pieces IR- LED
	Illumination Distance	10 / 25 / 40 M Selectable
	Wavelength	850 nm
FUNCTIONS	Light Transistor	Yes
	On-Screen-Display (OSD)	Yes
	Language	English
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	On / Off
	Positive / Negative	On / Off
	Privacy Masking	On / Off
	Camera Title	Yes
View Mode	CRT / LCD / User	
GENERAL	Vandal Proof	Yes
	Weatherproof	Yes
	Heater	Optional
	FAN	Yes
	I/O Interface	RS485/422, D/I, D/O
	Remote Control	Pelco D / P
	Baud Rate	9600
	Video Output	HD-SDI (BNC)
	Dimension (incl. BNC)	109x267x172.4mm
	Power Supply	DC12V (Optional: DC12V/AC24V)
Power Consumption	900mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-H224/1



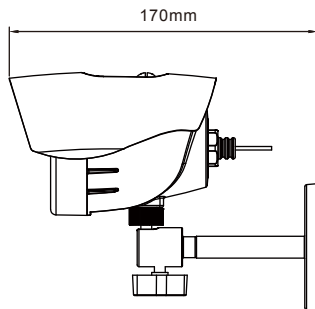
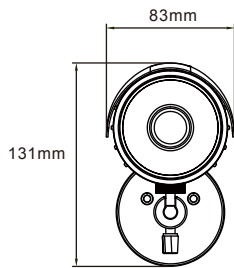
HD CCTV IR Camera (Board Lens)

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- HD-SDI Output
- 2D Noise Reduction
- Built-in Megapixel Board Lens
- Built-in 18/36 Pieces IR-LED (up to 20M / 30M)
- Dual Window Structure
- Concealed Cable Bracket
- Weatherproofing IP68



DIMENSIONS



SPECIFICATIONS

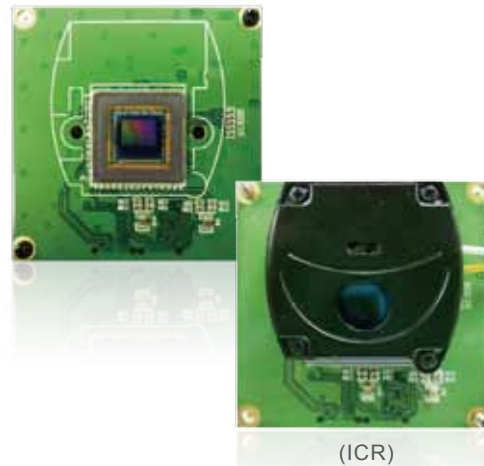
Model No.	RYK-H224L2/1	RYK-H224L3/1
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution (Frame Rates)	1080_25P / 1080_30P
	Illumination	0.1 Lux @F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50(60)~1/100,000
Gamma	0.45	
LENS	Lens Drive Type	Board Lens 4mm / F2.0 Board Lens 6mm / F2.0
	Aspect Ratio	16:9
	Iris Control	Fixed
DAY / NIGHT	IR-Cut filter Removable	Yes
	Day & Night	External
	Infrared Luminary	18 Pieces IR- LED 36 Pieces IR- LED
	Illumination Distance	20 M 30 M
	Wavelength	850 nm
	Light Transistor	Yes
FUNCTIONS	On-Screen-Display (OSD)	N/A
	Language	N/A
	Digital Noise Reduction (DNR)	On
	White Balance	Auto
	Gain Control	Auto
GENERAL	Weatherproof	IP68
	Video Output	HD-SDI (BNC)
	Dimension (incl. BNC)	83x131x170mm
	Power Supply	DC12V
	Power Consumption	750mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-H225 ^{1080P} Full HD

Full HD CMOS Board Module

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 3 MegaPixel Resolution up to 30FPS
- 1080P Full HD Resolution up to 60FPS
- 42 x 42 Double Board Design
- Mirco Coaxial Cable through BT1120 Output
- Parameter Control through SPI / I2C Interface
- Optional: IR-Cut filter Removable (ICR)



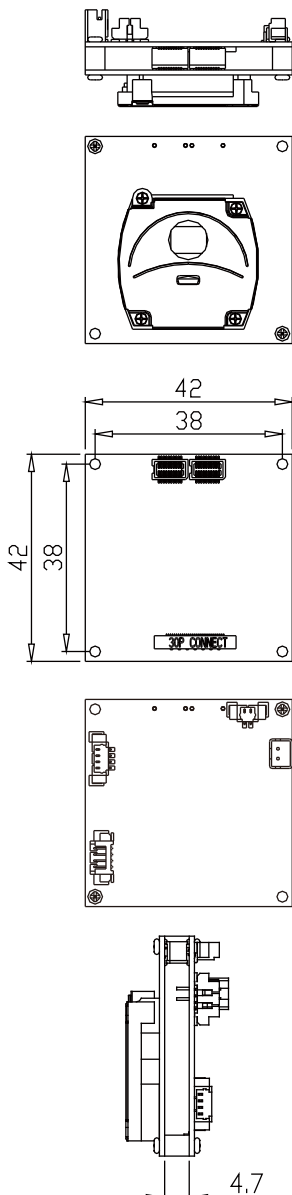
3.0
Megapixel

0.1
Lux

BT1200

SPI
I2C

DIMENSIONS



SPECIFICATIONS

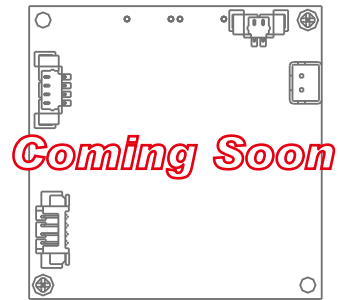
Model No.	RYK-H225	RYK-H225R
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (2048H x 1536V)
	Resolution (Frame Rates)	3.0 Megapixel_30fps
	Illumination	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	Board Lens / Vari-Focal Lens / C/CS
	Aspect Ratio	4:3 / 16:9
DAY / NIGHT	Iris Control	Auto / Manual / Fixed
	IR-Cut filter Removable	N/A Yes
FUNCTIONS	Day & Night	Auto / Day / Night / External
	On-Screen-Display (OSD)	N/A
	Language	N/A
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	Digital Slow Shutter (DSS)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	N/A
	Positive / Negative	N/A
	Privacy Masking	On / Off
	Camera Title	Yes
View Mode	N/A	
GENERAL	I/O Interface	Mirco Coaxial, WFEER
	Remote Control	SPI / I2C (30PIN Mirco Coaxial Interface)
	Baud Rate	N/A
	Sync. System	Internal
	Video Output	Digital Output BT1120 (30PIN Mirco Coaxial Interface)
	Dimension	42 x 42mm Double Board
	Power Supply	DC 5V
	Power Consumption	350mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	
Certifications	CE / FCC	

RYPK-H365

HD CCD Board Module

FEATURES

- 1/3 1.0 Megapixel Progressive Scan CCD
- Sony "Exmor" Technology Support Min. Illumination
- 720P HD Resolution up to 30FPS
- 42 x 42 Double Board Design
- Mirco Coaxial Cable through BT1120 Output
- Parameter Control through SPI / I2C Interface
- Optional: IR-Cut filter Removable (ICR)



DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.	RYPK-H365	RYPK-H365R
VIDEO	Image Device	1/3" Color Sony Exmor 1.0 Megapixel CCD
	Picture Elements	Approx. 1M (1280H x 720V)
	Resolution (Frame Rates)	720_50i / 720_60i : 720_25p / 720_30p
	Illumination	0.03 Lux @F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	Board Lens / Vari-Focal Lens / C/CS
	Aspect Ratio	4:3 / 16:9
	Iris Control	Auto / Manual / Fixed
DAY / NIGHT	IR-Cut filter Removable	N/A / Yes
	Day & Night	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	N/A
	Language	N/A
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	Digital Slow Shutter (DSS)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	N/A
	Positive / Negative	N/A
	Privacy Masking	On / Off
	Camera Title	Yes
View Mode	N/A	
GENERAL	I/O Interface	Mirco Coaxial, WFEER
	Remote Control	SPI / I2C (30PIN Mirco Coaxial Interface)
	Baud Rate	N/A
	Sync. System	Internal
	Video Output	Digital Output BT1120 (30PIN Mirco Coaxial Interface)
	Dimension	42 x 42mm Double Board
	Power Supply	DC 5V
	Power Consumption	To-be-decided
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)
Certifications	CE / FCC	

RYK-H231

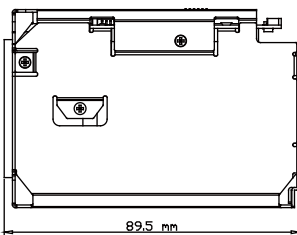
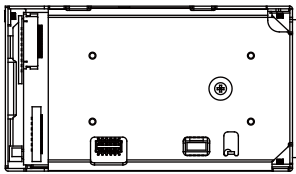
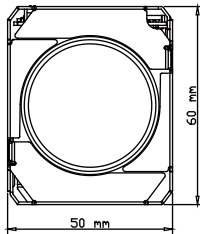
Full HD CMOS Auto Focus Zoom Module

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- 18x Optical Zoom
- Built-in IR-Cut Removable (ICR) Model
- Mirco Coaxial Cable through LVDS Output
- Parameter Control through URAT Interface
- Support SONY VISCA Protocol



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-H231	
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P
	Illumination	0.1 Lux @F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
	Gamma	0.45
LENS	Lens Drive Type	Mototized 18X Zoom
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)
	Angle of View	54.1°(wide end) to 3.2° (tele end)
	Aperture Range	F1.6 to F3.5
	Aspect Ratio	16:9
DAY / NIGHT	Iris Control	Auto / Manual
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)
FUNCTIONS	IR-Cut filter Removable	Yes
	Day & Night	Auto / Day / Night / External
	On-Screen-Display (OSD)	N/A
	Language	N/A
	Focus Mode	Auto / Manual / Push Auto / Infinity
	Zoom Speed	To-be-decided
	Preset Point	To-be-decided
	Dogital Zoom	N/A
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	Digital Slow Shutter (DSS)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
GENERAL	Mirror	On / Off
	Freeze	N/A
	Positive / Negative	On / Off
	Privacy Masking	N/A
	Camera Title	Yes
	View Mode	N/A
	I/O Interface	Mirco Coaxial Connector , WFEER RS232 TTL Level (30PIN Mirco Coaxial Interface) Sony VISCA Protocol
	Remote Control	N/A
	Baud Rate	N/A
	Sync. System	Internal
Video Output	Digital Output LVDS (30PIN Mirco Coaxial Interface)	
Dimension	50x60x89.5mm	
Power Supply	DC 12V	
Power Consumption	320mA	
Operating Temp.	0°C ~ 50°C (32°F to 122°F)	

RYK-H371

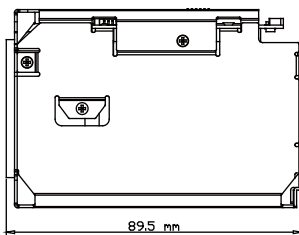
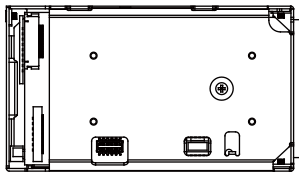
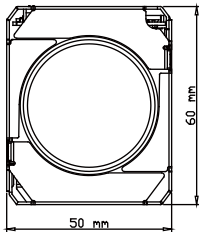
HD CCD Auto Focus Zoom Module

FEATURES

- 1/3 1.0 Megapixel Progressive Scan CCD
- Sony "Exmor" Technology Support Min. Illumination
- 720P HD Resolution Support
- Real Time Video up to 30FPS
- 18x Optical Zoom
- Built-in IR-Cut Removable (ICR) Model
- Mirco Coaxial Cable through LVDS Output
- Parameter Control through URAT Interface
- Support SONY VISCA Protocol



DIMENSIONS



SPECIFICATIONS

Model No.		RYK-H371
VIDEO	Image Device	1/3" Color Sony Exmor 1.0 Megapixel CCD
	Picture Elements	Approx. 1M (1280H x 720V)
	Resolution	720_50i / 720_60i : 720_25p / 720_30p
	Illumination	0.03 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
LENS	Gamma	0.45
	Lens Drive Type	Mototized 18X Zoom
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)
	Angle of View	54.1°(wide end) to 3.2° (tele end)
	Aperture Range	F1.6 to F3.5
	Aspect Ratio	16:9
	Iris Control	Auto / Manual
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)
DAY / NIGHT	IR-Cut filter Removable	Yes
	Day & Night	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	N/A
	Language	N/A
	Focus Mode	Auto / Manual / Push Auto / Infinity
	Zoom Speed	To-be-decided
	Preset Point	To-be-decided
	Digital Zoom	N/A
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	Digital Slow Shutter (DSS)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	N/A
	Positive / Negative	On / Off
	Privacy Masking	N/A
	Camera Title	Yes
View Mode	N/A	
GENERAL	I/O Interface	Mirco Coaxial Connector , WFEER
	Remote Control	RS232 TTL Level (30PIN Mirco Coaxial Interface) Sony VISCA Protocol
	Baud Rate	N/A
	Sync. System	Internal
	Video Output	Digital Output LVDS (30PIN Mirco Coaxial Interface)
	Dimension	50x60x89.5mm
	Power Supply	DC 12V
	Power Consumption	To-be-decided
Operating Temp.	0°C ~ 50°C (32°F to 122°F)	

RYK-H233, H234, H235



HDCCTV Full HD CMOS Speed Dome

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Sony "Exmor" Technology Support Min. Illumination
- 1080P Full HD Resolution Support
- Real Time Video up to 30FPS
- 18x Optical Zoom
- Built-in IR-Cut Removable (ICR) Model
- 360° Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support SONY VISCA Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-H223, H224]



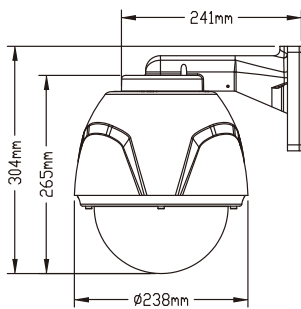
RYK-H233

RYK-H234

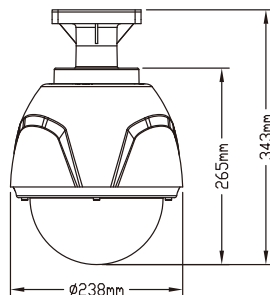
RYK-H235



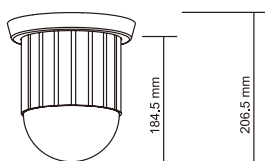
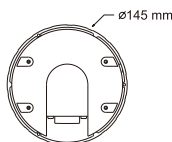
DIMENSIONS



RYK-H233



RYK-H234



RYK-H235

SPECIFICATIONS

Model No.	RYK-H233	RYK-H234	RYK-H235	
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS		
	Picture Elements	Approx. 3M (1920H x 1080V)		
	Resolution	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P		
	Illumination	0.1 Lux @ F1.2 Color Mode		
	S/N Ratio	More than 50dB		
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000		
LENS	Gamma	0.45		
	Lens Drive Type	Mototized 18X Zoom		
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)		
	Angle of View	54.1°(wide end) to 3.2° (tele end)		
	Aperture Range	F1.6 to F3.5		
	Aspect Ratio	16:9		
PAN / TILT	Iris Control	Auto / Manual		
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)		
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90° Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec		
	Panning/Tilting Speed			
	Accuracy	±0.25		
	Coordinate	X, Y, Z		
DAY / NIGHT	Sequence	6 Groups		
	PTZ mode	Preset / Swing / Group / Pattern		
	IR-Cut filter Removable	Yes		
	Day & Night	Auto / Day / Night / External		
	On-Screen-Display (OSD)	Yes		
	Language	English		
FUNCTIONS	Focus Mode	Auto / Manual / Push Auto		
	Zoom Speed	To-be-decided		
	Preset Point	256 Point		
	Digital Zoom	N/A		
	Wide Dynamic Range (WDR)	On / Off		
	Digital Noise Reduction (DNR)	On / Off		
	Digital Slow Shutter (DSS)	On / Off		
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto		
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
	Mirror	On / Off		
	Freeze	On / Off		
	Positive / Negative	On / Off		
	Motion Detection	On / Off		
	Privacy Masking	On / Off		
GENERAL	Camera Title	Yes		
	View Mode	CRT / LCD / User		
	Weatherproof	IP66		-
	Heater	Yes		-
	FAN	Yes		-
	I/O Interface	8 D/I, 1D/O		
	Remote Control	Pelco D/P		
	Baud Rate	9600		
	Sync. System	Internal / External Line Lock		
	Video Output	HD-SDI (BNC)		
	Dimension	Refer to the Dimension Diagram		
	Power Supply	DC12V (Optional: DC12V/AC24V)		
Power Consumption	To-be-decided			
Operating Temp.	-40°C ~ 50°C (-40°F to 122°F)		-10°C ~ 50°C (14°F to 122°F)	

RYK-H236



HDCCTV Full HD CMOS PTZ Camera

FEATURES

- 1/2.8 3.0 Megapixel Progressive Scan CMOS
- Real Time Video up to 30FPS
- 18x Optical Zoom
- Built-in IR-Cut Removable (ICR) Model
- HD-SDI / HDMI / CVBS Video Output
- Sleep Mode
- Tally LED Design
- Multi-OSD Operation through IR Controller
- Low Power Consumption to Avoid The Overheat

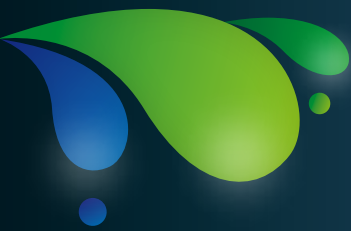


DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.		RYK-H236
VIDEO	Image Device	1/2.8" Color Sony Exmor 3.0 Megapixel CMOS
	Picture Elements	Approx. 3M (1920H × 1080V)
	Resolution	720_50i / 720_60i : 720_25p / 720_30p 1080_50i / 1080_60i : 1080_25P / 1080_30P
	Illumination	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
LENS	Gamma	0.45
	Lens Drive Type	Mototized 18X Zoom
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)
	Angle of View	54.1°(wide end) to 3.2° (tele end)
	Aperture Range	F1.6 to F3.5
	Aspect Ratio	16:9
	Iris Control	Auto / Manual
PAN / TILT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)
	Angle	Pan: ±175°, Tilt: -30° to +90°
	Panning/Tilting Speed	Preset: Pan 1~50°/sec, Tele 1~50°/sec Manual: Pan 1~50°/sec, Tele 1~50°/sec
	Coordinate	X, Y, Z
DAY / NIGHT	Sequence	6 Groups
	PTZ mode	Preset / Swing / Group / Pattern
	IR-Cut filter Removable	Yes
FUNCTIONS	Day & Night	Auto / Day / Night
	On-Screen-Display (OSD)	Yes
	Language	English / Simplified Chinese / Traditional Chinese
	Focus Mode	Auto / Manual / Push Auto
	Zoom Speed	To-be-decided
	Preset Point	256 Point
	Digital Zoom	N/A
	Wide Dynamic Range (WDR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	Digital Slow Shutter (DSS)	On / Off
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	On / Off
	Positive / Negative	On / Off
	Motion Detection	On / Off
	Privacy Masking	On / Off
Camera Title	Yes	
GENERAL	View Mode	CRT / LCD / User
	Weatherproof	-
	Heater	Yes
	FAN	Yes
	I/O Interface	IR ID Switch
	Remote Control	IR Controller ; RS422 (RJ45 Interface)
	Protocol	Pelco D/P ; Sony VISCA
	Baud Rate	9600
	Sync. System	Internal
	Video Output	HD-SDI (BNC) / HDMI / CVBS
	Dimension	To-be-decided
	Power Supply	DC12V
	Power Consumption	To-be-decided
Operating Temp.	0°C ~ 40°C(32°F to 104°F)	



CCTV Camera

YOKO TECHNOLOGY CORP.



- Speed Dome Camera
- Auto Focus Zoom Camera
- Box Camera
- IR Camera
- Dome Camera
- Hidden Camera
- Board Camera

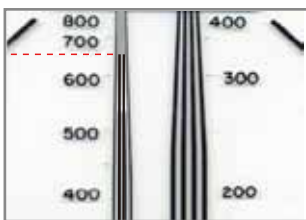


YOKO CCTV

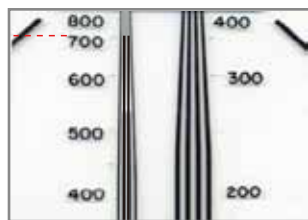
Function & Characteristic

High Resolution

The camera integrates the latest CCD technologies to deliver a super high resolution of over 650 TVL. Resolution is the line density where the camera is no longer able to reproduce individual line. The higher this number is, the better the picture you get even in low-light environments.



650 TVL



700 TVL

High Sensitivity

New technology can deliver high quality 650TV Line images. The sensitivity of a CCD camera, broadly speaking, is a measurement of its performance in low light conditions.



Conventional



High Sensitivity

Auto White Balance (AWB)

White balance range to adapt and cope with any changes made in color and temperature from various sources of light. Understanding digital white balance can help you avoid these color casts, thereby improving your photos under a wider range of lighting conditions.



Normal



AWB ON

Digital Noise Reduction (DNR)

With Digital Noise Reduction (DNR) enable, it can reduce the noise to produce extremely clear picture quality even under low light condition. It can also save the size of recording image from DVR.



DNR OFF



DNR ON

IR-Cut filter Removable (ICR)

"IR-Cut filter Removable" is an auto control function. During the day, it cuts infrared light; during the night, it allows all of light source gets into the camera to enhance sensitivity.



ICR OFF



ICR ON

Optical Zoom / Digital Zoom

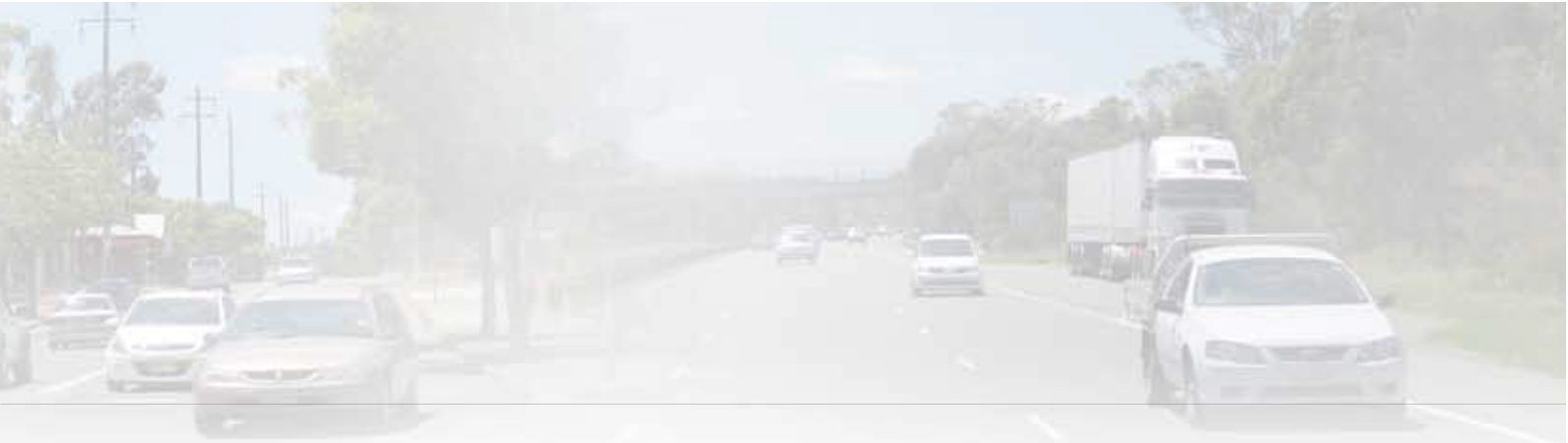
To capture distant object clearly and a combined optical / digital zoom up to 36X for broad area monitor.



Conventional Camera



Optical / Digital Zoom



Auto Gain Control (AGC)

Automatic Gain Control is a circuit found on some electronic devices that automatically controls the gain of a signal. Using AGC means that weaker signals receive more gain and stronger signals receive less gain or none at all.



AGC OFF



AGC ON

Digital Image Stabilization (DIS)

DIS can help reduce the blurring of images caused by vibration and saving DVD storage space.



DIS OFF



DIS ON

Back Light Compensation (BLC)

Back Light Compensation is video gain done either manually or automatically to correct the exposure of subjects that are in front of a bright light source.



BLC OFF



BLC ON

Lens Shading Compensation (LSC)

Lens Shading Compensation can compensate the difference of Image Sensor and Lens



LSC OFF



LSC ON

IR Smart

No matter what IR LED type is, IR SMART can avoid the over exposure of IR LED.



IR Smart OFF



IR Smart ON

High Light Capability (HLC)

By setting the mask area, the user will experience better operation convenience and see a clearer image.



HLC OFF



HLC ON

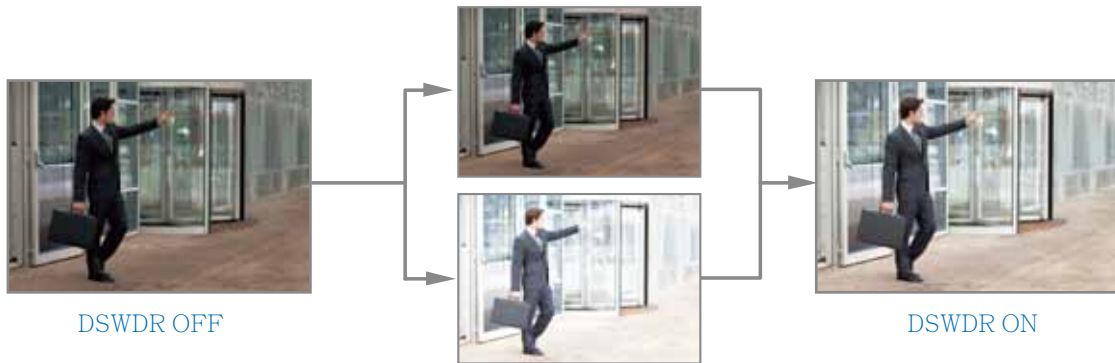


YOKO CCTV

Function & Characteristic

Double Scan Wide Dynamic Range (DSWDR)

Wide Dynamic Range uses Double Scan CCD to get one long exposure picture and one short exposure picture at the same time. Then, DSP combines two pictures together to get a better quality both in front part and back part of a picture.



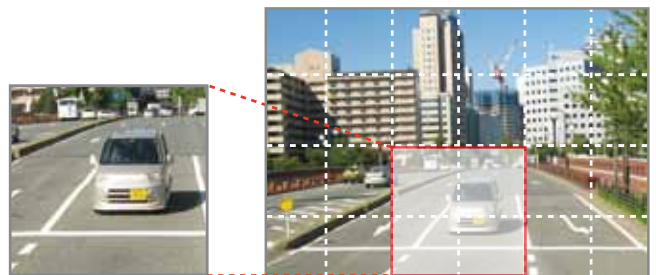
Single Scan Wide Dynamic Range (SSWDR)

"Single Scan Wide Dynamic Range" can achieve the WDR application through the normal image sensor. It is different technology from the "Double Scan Wide Dynamic Range". When the SSWDR application is enable the ISP can adjust the parameter of Gamma to add reduce the brightness. Although the DS-WDR effect is better than SSWDR, the SSWDR keep cheaper price. In the security market, someone also give the SS-WDR the different name: Software WDR or Digital WDR; ATR, ATR-EX.



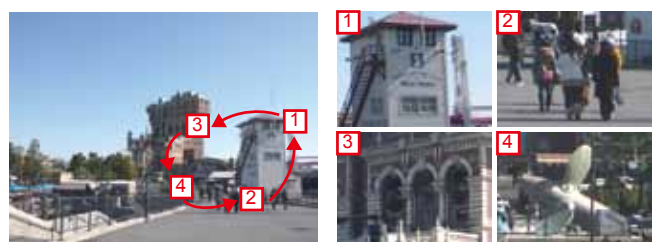
Motion Detection (MD)

Motion Detection automatically senses and records the movement of entities that are in the angle of any given camera. Motion can be detected by measuring change in speed or vector of an object or objects in the field of view. Since the camera detects motion and generates signals without any additional external sensors, you can monitor more efficiently by connecting the camera to an alarm device.



Tour (Group)

This is one of PTZ camera's functions that presents the area to be monitored and allows the camera to continuously monitor particular areas by turns.



Color Rolling Support (CRS)

When color rolling appears, user can switch on CRS to depress color rolling.



CRS OFF



CRS ON

Digital Slow Shutter (DSS)

The Digital Slow Shutter allows the camera a long exposure time, you can see things not visible with conventional video cameras.



DSS OFF



DSS ON

Defect Pixel Correction (DPC)

The camera Provide DPC to get a flawless image.



DPC OFF



DPC ON

White Blemish Compensation (WBC)

Reduce the white and dark blemish issue of image sensor.



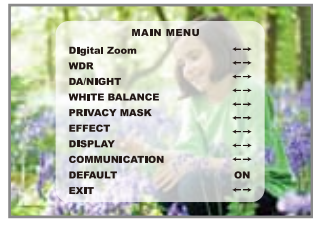
WBC OFF



WBC ON

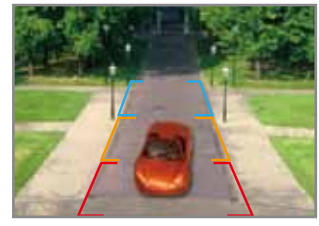
On Screen Display (OSD)

OSD menu display camera status and user can set up various functions of camera via OSD menu.



Parking Line

The function can provide the parking line to all driver device application.



Auto Tracking

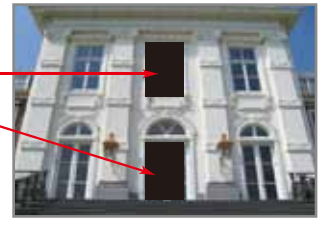
This is a function that is best for automatic surveillances. It auto-matically captures a moving object and follow its movements.



Privacy Masking

User can freely set the position and size of district for protecting the personal privacy.

Masking (size and position can be adjusted)



RYK-S633/1, S634/1, S635

Effio-P High Res.WDR CCD Speed Dome

FEATURES

- Effio-P Platform
- Sony High-Resolution Double Scan 960H CCD
- 700TV Line
- 18x Optical Zoom, 16x Digital Zoom.
- Built-in IR-Cut Removable (ICR) Model
- 360°Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support Pelco D/P Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-S633/1,S634/1]



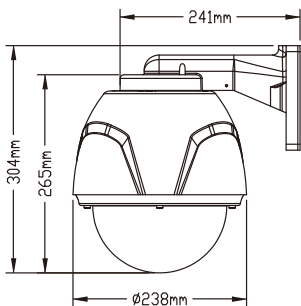
RYK-S633/1

RYK-S634/1

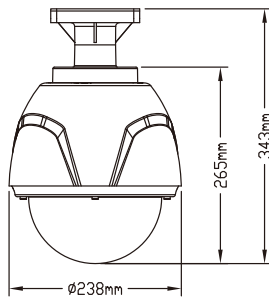
RYK-S635



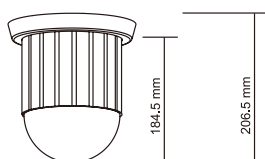
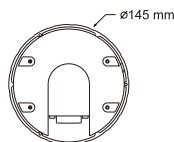
DIMENSIONS



RYK-S633/1



RYK-S634/1



RYK-S635

SPECIFICATIONS

Model No.	RYK-S633/1	RYK-S634/1	RYK-S635
VIDEO	Image Device	1/3" Color Sony Super HAD II Double-Density CCD	
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	700 TVL	
	Illumination	0.05 Lux @ F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 18X Zoom	
	Focal Length	f=4.7 mm (wide) to 84.6 mm (tele)	
	Angle of View	54.1°(wide end) to 3.2° (tele end)	
	Aperture Range	F1.6 to F3.5	
	Iris Control	Auto / Manual	
PAN / TILT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90°	
	Panning/Tilting Speed	Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec	
	Accuracy	±0.25	
	Coordinate	X, Y, Z	
	Sequence	6 Groups	
DAY / NIGHT	PTZ mode	Preset / Swing / Group / Pattern	
	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
FUNCTIONS	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	On / Off	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
GENERAL	Weatherproof	IP66	-
	Heater	Yes	-
	FAN	Yes	-
	I/O Interface	8 x D/I, 1 x D/O	
	Remote Control	RS422 / 485	
	Protocol	Pelco D / P	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	Refer to the Dimension Diagram	
	Power Supply	DC12V (Optional: AC24V)	
	Power Consumption	1100mA DC ; 2000mA AC ; 3200mA AC&Heater	
Operating Temp.	-40°C ~ 50°C (-40°F to 122°F)	-10°C ~ 50°C (14°F to 122°F)	

RYK-S613/1, S614/1, S615

Effio-P WDR CCD Speed Dome

FEATURES

- Effio-P Platform
- Sony High-Resolution Double Scan 960H CCD
- 600TV Line
- 36x Optical Zoom, 16x Digital Zoom.
- Built-in IR-Cut Removable (ICR) Model
- 360°Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support Pelco D/P Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-S613/1, S614/1]



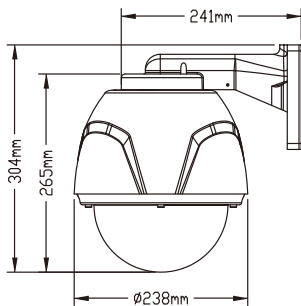
RYK-S613/1

RYK-S614/1

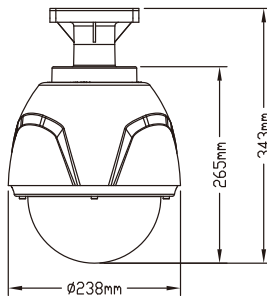
RYK-S615



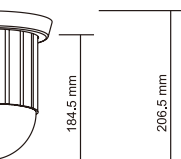
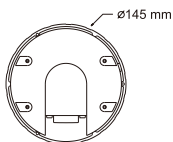
DIMENSIONS



RYK-S613/1



RYK-S614/1



RYK-S615

SPECIFICATIONS

Model No.	RYK-S613/1	RYK-S614/1	RYK-S615
VIDEO	Image Device	1/4" Color Sony Super HAD II Double-Density CCD	
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	
	Illumination	0.05 Lux @ F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 36X Zoom Lens	
	Focal Length	F=3.4mm(wide) to 122.4mm(tele)	
	Angle of View	-	
	Aperture Range	F1.6 to F4.5	
	Iris Control	Auto / Manual	
PAN / TILT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90° Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec	
	Panning/Tilting Speed		
	Accuracy	±0.25	
	Coordinate	X, Y, Z	
	Sequence	6 Groups	
DAY / NIGHT	PTZ mode	Preset / Swing / Group / Pattern	
	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
FUNCTIONS	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	On / Off	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
GENERAL	Weatherproof	IP66	-
	Heater	Yes	-
	FAN	Yes	-
	I/O Interface	8 x D/I, 1 x D/O	
	Remote Control	RS422 / 485	
	Protocol	Pelco D / P	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	Refer to the Dimension Diagram	
	Power Supply	DC12V (Optional: AC24V)	
	Power Consumption	1100mA DC ; 2000mA AC ; 3200mA AC&Heater	
Operating Temp.	-40°C ~ 50°C (-40°F to 122°F)	-10°C ~ 50°C (14°F to 122°F)	

RYK-2E10/1A , 2E10/1B, 2E10

Effio-S 22X CCD Speed Dome

FEATURES

- Effio-S Platform
- 1/4" Sony High-Resolution 960H CCD
- 600TV Line
- 22x Optical Zoom, 16x Digital Zoom.
- Built-in IR-Cut Removable (ICR) Model
- 360°Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support Pelco D/P Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-2E10/1A,B]



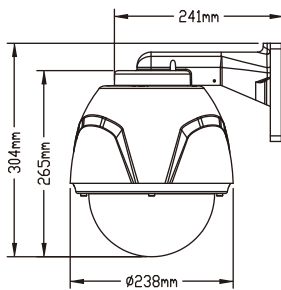
RYK-2E10/1A

RYK-2E10/1B

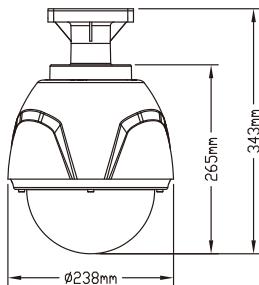
RYK-2E10



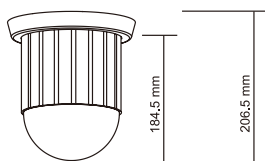
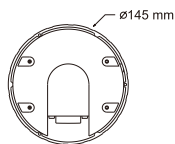
DIMENSIONS



RYK-2E10/1A



RYK-2E10/1B



RYK-2E10

SPECIFICATIONS

Model No.	RYK-2E10/1A	RYK-2E10/1B	RYK-2E10
VIDEO	Image Device	1/4" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	
	Illumination	0.03 Lux @ F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 22X Zoom Lens	
	Focal Length	f=3.9mm(wide) to 85.8 mm(tele)	
	Angle of View	-	
	Aperture Range	F1.6 to F3.7	
	Iris Control	Auto / Manual	
PAN / TILT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90°	
	Panning/Tilting Speed	Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec	
	Accuracy	±0.25	
	Coordinate	X, Y, Z	
	Sequence	6 Groups	
DAY / NIGHT	PTZ mode	Preset / Swing / Group / Pattern	
	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
FUNCTIONS	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
Camera Title	Yes		
Camera ID	000~255		
View Mode	CRT / LCD / User		
GENERAL	Weatherproof	IP66	-
	Heater	Yes	-
	FAN	Yes	-
	I/O Interface	8 x D/I, 1 x D/O	
	Remote Control	RS422 / 485	
	Protocol	Pelco D / P	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	Refer to the Dimension Diagram	
	Power Supply	DC12V (Optional: AC24V)	
Power Consumption	1100mA DC ; 2000mA AC ; 3200mA AC&Heater		
Operating Temp.	-40°C ~ 50°C(-40°F to 122°F) ; -10°C ~ 50°C (14°F to 122°F)		

RYK-2E14/1A , 2E14/1B, 2E14

Effio-S 36X CCD Speed Dome

FEATURES

- Effio-S Platform
- 1/4" Sony High-Resolution 960H CCD
- 600TV Line
- 36x Optical Zoom, 16x Digital Zoom.
- Built-in IR-Cut Removable (ICR) Model
- 360° Continuous Pan
- Auto Flip Control
- Auto Calibration
- Support Pelco D/P Protocol
- Built-in Heater & Fan for Outdoor Type [RYK-2E14/1A,B]



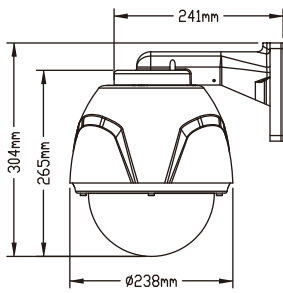
RYK-2E14/1A

RYK-2E14/1B

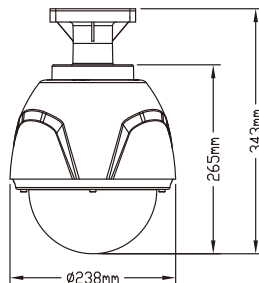
RYK-2E14



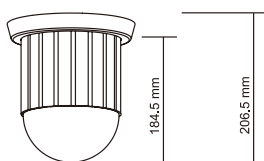
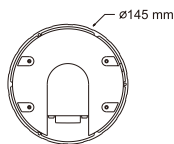
DIMENSIONS



RYK-2E14/1A



RYK-2E14/1B



RYK-2E14

SPECIFICATIONS

Model No.	RYK-2E14/1A	RYK-2E14/1B	RYK-2E14
VIDEO	Image Device	1/4" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	
	Illumination	0.03 Lux @ F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 36X Zoom Lens	
	Focal Length	F=3.4mm(wide) to 122.4mm(tele)	
	Angle of View	-	
	Aperture Range	F1.6 to F4.5	
	Iris Control	Auto / Manual	
PAN / TILT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	Angle	Pan : 360° (Endless), Tilt : - 8° to +90°	
	Panning/Tilting Speed	Preset: Pan 1~300°/sec, Tele 1~200°/sec Manual: Pan 1~150°/sec, Tele 1~100°/sec	
	Accuracy	±0.25	
	Coordinate	X, Y, Z	
	Sequence	6 Groups	
DAY / NIGHT	PTZ mode	Preset / Swing / Group / Pattern	
	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
FUNCTIONS	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
	GENERAL	Weatherproof	IP66
Heater		Yes	-
FAN		Yes	-
I/O Interface		8 x D/I, 1 x D/O	
Remote Control		RS422 / 485	
Protocol		Pelco D / P	
Baud Rate		9600	
Sync. System		Internal / External Line Lock	
Video Output		1 Vp-p / 75 Ohms CVBS (BNC)	
Dimension		Refer to the Dimension Diagram	
Power Supply		DC12V (Optional: AC24V)	
Power Consumption		1100mA DC ; 2000mA AC ; 3200mA AC&Heater	
Operating Temp.	-40°C ~ 50°C (-40°F to 122°F) -10°C ~ 50°C (14°F to 122°F)		

RYK-S611, S631

CCD Auto Focus Zoom Module

FEATURES

- Effio-P Platform
- Sony High-Resolution Double Scan 960H CCD
- 700TV Line
- 18x Optical Zoom, 16x Digital Zoom. [RYK-S631]
- 36x Optical Zoom, 16x Digital Zoom. [RYK-S611]
- Built-in IR-Cut Removable (ICR) Model
- RS232 Control
- Support LG Protocol



RYK-S631



RYK-S611



DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.		RYK-S611	RYK-S631
VIDEO	Image Device	1/4" Color Sony Super HAD II Double-Density CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	700 TVL
	Illumination	0.05 Lux @ F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 36X Zoom Lens	Mototized 18X Zoom Lens
	Focal Length	F=3.4mm(wide) to 122.4mm(tele)	f=4.7 mm(wide) to 84.6 mm(tele)
	Angle of View	-	54.1°(wide end) to 3.2° (tele end)
	Aperture Range	F1.6 to F4.5	F1.6 to F3.5
DAY / NIGHT	Iris Control	Auto / Manual	
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
FUNCTIONS	IR-Cut filter Removable	Yes	Yes
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	On / Off	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
Mirror	On / Off		
Freeze	On / Off		
Positive / Negative	On / Off		
Motion Detection	On / Off		
Privacy Masking	On / Off		
GENERAL	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
	I/O Interface	FPC	
	Remote Control	RS232 TTL Level	
	Protocol	LG Protocol	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms	
	Dimension	To-be-decided	
Power Supply	DC 12V		
Power Consumption	320mA		
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-AF212, AF313

CCD Auto Focus Zoom Module

FEATURES

- Effio-S Platform
- 1/4" Sony High-Resolution 960H CCD
- 600TV Line
- 22x Optical Zoom, 16x Digital Zoom. [RYK-AF212]
- 36x Optical Zoom, 16x Digital Zoom. [RYK-AF313]
- Built-in IR-Cut Removable (ICR) Model
- RS232 Control
- Support LG Protocol



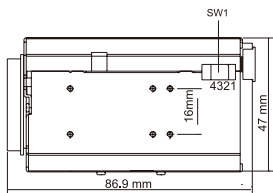
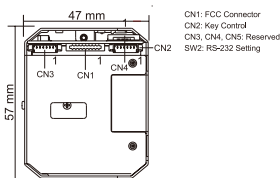
RYK-AF212



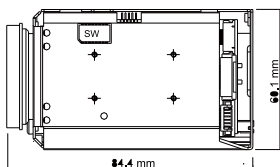
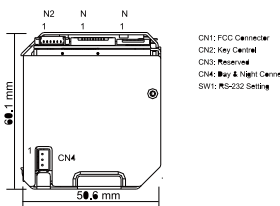
RYK-AF313



DIMENSIONS



RYK-AF212



RYK-AF313

SPECIFICATIONS

Model No.	RYK-AF212	RYK-AF313	
VIDEO	Image Device	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Exview HAD II CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	700 TVL	600 TVL
	Illumination	0.03 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 22X Zoom Lens	Mototized 36X Zoom Lens
	Focal Length	f=3.9mm(wide) to 85.8 mm(tele)	F=3.4mm(wide) to 122.4mm(tele)
	Angle of View	-	-
	Aperture Range	F1.6 to F3.7	F1.6 to F4.5
DAY / NIGHT	Iris Control	Auto / Manual	
	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	IR-Cut filter Removable	No	Yes
	Day & Night	N/A	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
Camera ID	000~255		
View Mode	CRT / LCD / User		
GENERAL	I/O Interface	FPC	
	Remote Control	RS232 TTL Level	
	Protocol	LG Protocol	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms	
	Dimension	47x57x86.9mm	50.6x60.1x84.4mm
	Power Supply	DC 12V	
	Power Consumption	320mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-AF201, AF211

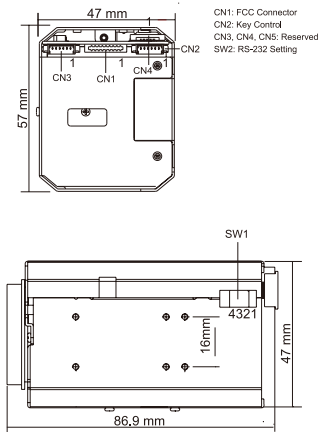
CCD Auto Focus Zoom Module

FEATURES

- 1/4" Sony High-Sensitivity CCD
- 420TV Line
- 22x Optical Zoom, 16x Digital Zoom.
- Built-in OSD
- RS232 Control
- Support LG Protocol
- Support SONY/CNB Protocol [RYK-AF211]



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-AF201	RYK-AF211	
VIDEO	Image Device	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Super HAD II CCD
	Picture Elements	NTSC: 510x492 PAL: 500x582	
	Resolution	420TVL	420 TVL
	Illumination	0.03 Lux @ F1.6 Color Mode	0.01 Lux @ F1.6 Color Mode
	S/N Ratio	More than 48dB / More than 52dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 22X Zoom Lens	Mototized 22X Zoom Lens
	Focal Length	f=3.9mm(wide) to 85.8 mm(tele)	f=3.9mm(wide) to 85.8 mm(tele)
	Angle of View	To-be-decided	To-be-decided
	Aperture Range	F1.6 to F3.7	F1.6 to F3.7
	Iris Control	Auto / Manual	Fixed
DAY / NIGHT	Mini. Shutting Distance	0.01m (Wide), 1.0m (Tele)	
	IR-Cut filter Removable	No	
FUNCTIONS	Day & Night	N/A	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	5 /7/ 9 Second Mode	8 /10 /15 Second Mode
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	N/A
	Digital Noise Reduction (DNR)	On / Off	N/A
	Digital Slow Shutter (DSS)	On / Off	N/A
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	N/A
	Positive / Negative	On / Off	
	Motion Detection	On / Off	N/A
	Privacy Masking	On / Off	N/A
	GENERAL	Camera Title	Yes
Camera ID		000~255	
View Mode		N/A	CRT / LCD / User
I/O Interface		FPC	
Remote Control		RS232 TTL Level	
Protocol		LG Protocol	SONY/LG/CNB Protocol
Baud Rate		9600	
Sync. System		Internal / External Line Lock	Internal
Video Output		1 Vp-p / 75 Ohms	
Dimension		47x57x86.9mm	
Power Supply		DC 12V	
Power Consumption		340mA	320mA
Operating Temp.		-10°C ~ 50°C (14°F to 122°F)	

RYK-AF201A, AF211A

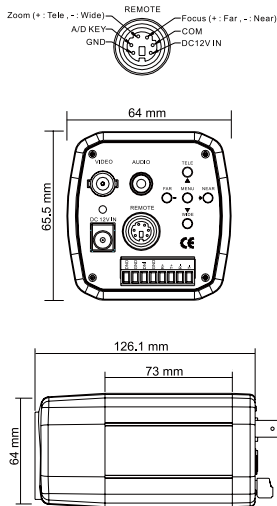
CCD Auto Focus Zoom Camera

FEATURES

- 1/4" Sony High-Sensitivity CCD
- 420TV Line
- 22x Optical Zoom, 16x Digital Zoom.
- Built-in OSD
- RS485 Control
- Support Pelce D/P Protocol



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-AF201A	RYK-AF211A	
VIDEO	Image Device	1/4" Color Sony Super HAD II CCD	1/4" Color Sony Super HAD II CCD
	Picture Elements	NTSC: 510x492 PAL: 500x582	
	Resolution (Frame Rates)	420TVL	420 TVL
	Illumination	0.03 Lux @ F1.6 Color Mode	0.01 Lux @ F1.6 Color Mode
	S/N Ratio	More than 48dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	Mototized 22X Zoom Lens	Mototized 22X Zoom Lens
	Focal Length	f=3.9mm(wide) to 85.8 mm(tele)	f=3.9mm(wide) to 85.8 mm(tele)
	Angle of View	To-be-decided	To-be-decided
	Aperture Range	F1.6 to F3.7	F1.6 to F3.7
	Iris Control	Auto / Manual	Fixed
DAY / NIGHT	Mini. Shutting Distance	0.01m (Wide), 1.0m (Tele)	
	IR-Cut filter Removable	No	
	Day & Night	N/A	
FUNCTIONS	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	5 / 7 / 9 Second Mode	8 / 10 / 15 Second Mode
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	N/A
	Digital Noise Reduction (DNR)	On / Off	N/A
	Digital Slow Shutter (DSS)	On / Off	N/A
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	N/A	On / Off
	Positive / Negative	On / Off	
	Motion Detection	N/A	On / Off
Privacy Masking	N/A	On / Off	
GENERAL	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	N/A	CRT / LCD / User
	I/O Interface	DI/O	
	Remote Control	RS485	
	Protocol	Pelco D/P Protocol	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	Internal
	Video Output	1 Vp-p / 75 Ohms	
	Dimension	64x65.5x126.1mm	
	Power Supply	DC 12V	
Power Consumption	340mA		
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-S612, S632

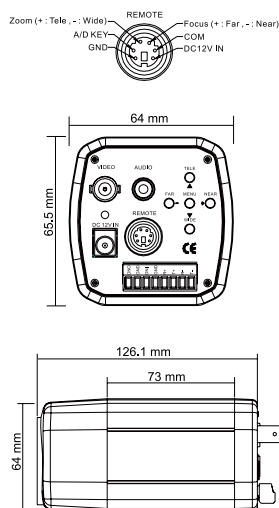
Auto Focus Zoom Camera

FEATURES

- Effio-P Platform
- Sony High-Resolution Double Scan 960H CCD
- 700TV Line
- 18x Optical Zoom, 16x Digital Zoom. [RYK-S631]
- 36x Optical Zoom, 16x Digital Zoom. [RYK-S611]
- Built-in IR-Cut Removable (ICR) Model
- RS485 Control
- Support Pelce D/P Protocol



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-S612	RYK-S632	
VIDEO	Image Device	1/4" Color Sony Super HAD II Double-Density CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	600TVL	700 TVL
	Illumination	0.05 Lux @F1.6 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	Mototized 36X Zoom Lens	Mototized 18X Zoom Lens
	Focal Length	F=3.4mm(wide) to 122.4mm(tele)	f=4.7 mm(wide) to 84.6 mm(tele)
	Angle of View	-	54.1°(wide end) to 3.2° (tele end)
DAY / NIGHT	Aperture Range	F1.6 to F4.5	F1.6 to F3.5
	Iris Control	Auto / Manual	
FUNCTIONS	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	IR-Cut filter Removable	Yes	Yes
	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	8 / 10 / 15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	On / Off	
Adaptive Tone Reproduction (ATR)	On / Off		
Digital Noise Reduction (DNR)	On / Off		
Digital Slow Shutter (DSS)	On / Off		
Digital Image Stabilization (DIS)	On / Off		
GENERAL	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
	I/O Interface	DI/O	
	Remote Control	RS485	
	Protocol	Pelco D/P Protocol	
	Baud Rate	9600	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
Dimension	64x65.5x126.1mm		
Power Supply	DC 12V		
Power Consumption	340mA		
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-AF212A, AF313A

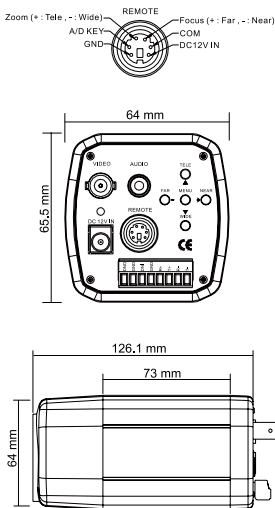
CCD Auto Focus Zoom Camera

FEATURES

- Effio-S Platform
- 1/4" Sony High-Resolution 960H CCD
- 600TV Line
- 22x Optical Zoom, 16x Digital Zoom. [RYK-AF212]
- 36x Optical Zoom, 16x Digital Zoom. [RYK-AF313]
- Built-in IR-Cut Removable (ICR) Model
- RS485 Control
- Support Pelco D/P Protocol



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-AF212A	RYK-AF313A	
VIDEO	Image Device	1/4" Color Sony Exview HAD II CCD	1/4" Color Sony Exview HAD II CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	700 TVL	600TVL
	Illumination	0.03 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000	
		Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
Gamma	0.45		
LENS	Lens Drive Type	Mototized 22X Zoom Lens	Mototized 36X Zoom Lens
	Focal Length	f=3.9mm(wide) to 85.8 mm(tele)	F=3.4mm(wide) to 122.4mm(tele)
	Angle of View	-	-
	Aperture Range	F1.6 to F3.7	F1.6 to F4.5
	Iris Control	Auto / Manual	
DAY / NIGHT	Mini. Shutting Distance	0.01m (Wide), 1.5m (Tele)	
	IR-Cut filter Removable	No	Yes
	Day & Night	N/A	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese	
	Focus Mode	Auto / Manual / Push Auto	
	Zoom Speed	8 /10 /15 Second Mode	
	Preset Point	128 Point	
	Digital Zoom	16x	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
	View Mode	CRT / LCD / User	
GENERAL	I/O Interface	DI/O	
	Remote Control	RS485	
	Protocol	Pelco D/P Protocol	
	Baud Rate	9600	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	64x65.5x126.1mm	
	Power Supply	DC 12V	
	Power Consumption	340mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-S501, S601

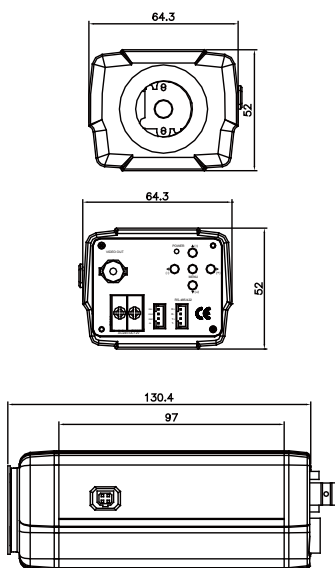
High Level Box Camera

FEATURES

- Effio-S/P Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Built-in IR-Cut Removable (ICR) Model
- C/CS Mount
- OSD Interface
- DC12V/AC24V Dual Power
- RS485 and DI/O Interface
- Color Adjustment
- Optional: 100~240V AC Power



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-S501DD	RYK-S601DD	
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution (Frame Rates)	700 TVL	700 TVL
	Illumination	0.005 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Iris Control	Auto / Manual	
DAY / NIGHT	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
FUNCTIONS	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese / Traditional Chinese	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	N/A	On / Off
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	2DNR: On / Off	3DNR: On / Off
	Digital Slow Shutter (DSS)	On / Off	
	Digital Image Stabilization (DIS)	On / Off	
	Color Adjustment	Saturation / Hue / Brightness / Sharpness / Contrast	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	Low / High	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off (NTSC:1/100, PAL:1/120)	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
	Camera Title	Yes	
Camera ID	000~255		
View Mode	CRT / LCD / User		
GENERAL	I/O Interface	1 x D/I, 1 x D/O	
	Remote Control	RS485/422	
	Protocol	Pelco	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	64.3x52x130.4mm	
	Power Supply	DC12V / AC24V (Optional:100~240V AC Power)	
	Power Consumption	300mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-CA67, CA97

Enhance Effio-E Box Camera

FEATURES

- Enhance Effio-E Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Built-in IR-Cut Removable (ICR) Model [RYK-CA97]
- C/CS Mount
- OSD Interface
- DI/O Interface [RYK-CA97]
- Optional: DC12V/AC24V Dual Power
100~240V AC Power



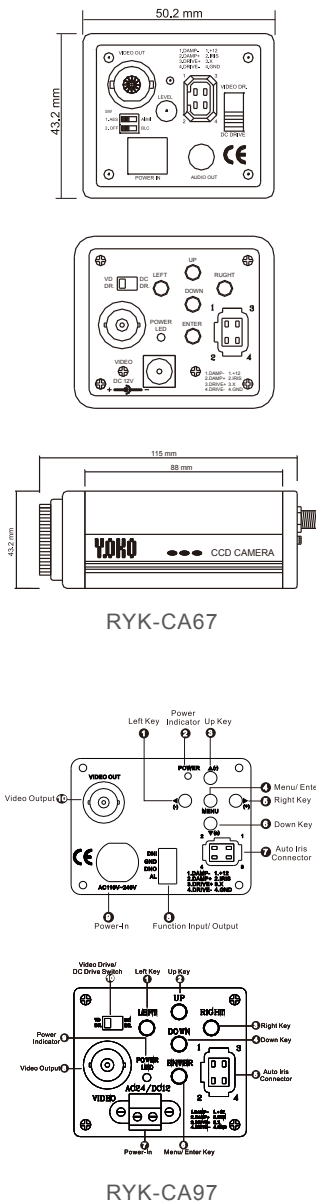
RYK-CA67



RYK-CA97



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-CA67D	RYK-CA97DR
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD
	Picture Elements	NTSC:976x494, PAL:976x582
	Resolution	700 TVL
	Illumination	0.01 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
LENS	Lens Mount	C / CS Mount
	Iris Control	Auto / Manual
DAY / NIGHT	IR-Cut filter Removable	N/A / Yes
	Day & Night	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	Yes
	Language	English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese
	Adaptive Tone Reproduction (ATR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	High light compensation (HLC)	On / Off
	IR Optimizer function	On / Off
	White Balance	ATW / Manual / Push / ANTI CR / USER1 / USER2 / Push Lock
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	NTSC:1/100, PAL:1/120
	Positive / Negative	On / Off
	Motion Detection	4 free areas (Area size adjustable)
	Privacy Masking	8 free areas (Area size adjustable)
Camera Title	Up to 52 characters	
GENERAL	I/O Interface	N/A / 1 x D/I, 1 x D/O
	Remote Control	N/A
	Protocol	N/A
	Baud Rate	N/A
	Sync. System	Internal
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)
	Dimension	50.2x43.2x115mm / To-be-decided
	Power Supply	DC12V (Optional: DC12V / AC24V, 100~240V AC Power)
	Power Consumption	110mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-CA63, CA93

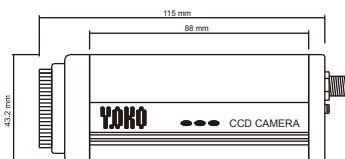
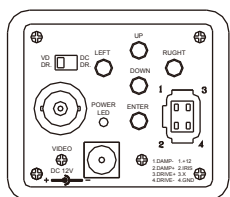
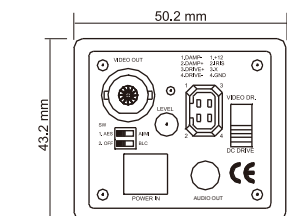
600TVL Box Camera

FEATURES

- 420 / 600TV Line
- Built-in IR-Cut Removable (ICR) Model [RYK-CA93]
- C/CS Mount
- OSD Interface
- RS485 and DI/O Interface [RYK-CA93]
- Optional: DC12V/AC24V Dual Power
100~240V AC Power



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-CA63D	RYK-CA93DR
VIDEO	Image Device	1/3" Color Hi-Res. CCD
	Picture Elements	NTSC:768x494, PAL: 752x582
	Resolution	600 TVL
	Illumination	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
LENS	Lens Mount	C / CS Mount
	Iris Control	Auto / Manual
DAY / NIGHT	IR-Cut filter Removable	N/A / Yes
	Day & Night	Auto / Day / Night / External
FUNCTIONS	On-Screen-Display (OSD)	Yes
	Language	English / Simplified Chinese
	Adaptive Tone Reproduction (ATR)	On / Off
	Digital Noise Reduction (DNR)	On / Off
	High light compensation (HLC)	On / Off
	Dead Pixel Compensation (DPC)	On / Off
	Lens Shading Compensation (LSC)	On / Off
	Packing Line	On / Off
	IR Optimizer (IR Smart)	On / Off
	White Balance	ATW1 / ATW2 / Manual / Push Auto
	Gain Control	Auto
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
	Freeze	On / Off
	Positive / Negative	On / Off
	Motion Detection	On / Off
	Privacy Masking	On / Off
	Camera Title	Yes
	View Mode	GRT / LCD / User
GENERAL	I/O Interface	N/A / 1 x D/I, 1 x D/O
	Remote Control	N/A / RS485/422
	Protocol	N/A / Pelco D / P
	Baud Rate	N/A / 9600
	Sync. System	Internal
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)
	Dimension	50.2x43.2x115mm
	Power Supply	DC12V(Optional: DC12V / AC24V, 100~240V AC Power)
Power Consumption	90mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-275F, 475F

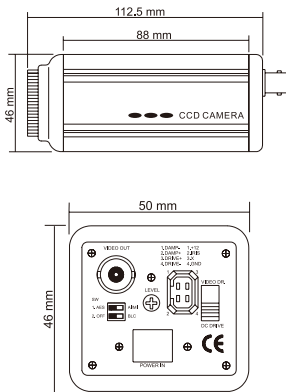
Standard Box Camera

FEATURES

- 420 TV Line
- C/CS Mount
- Support AWB, AGC and AES
- Optional: DC12V/AC24V Dual Power
100~240V AC Power



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-275F	RYK-475F
Image Device	1/3" Color Sony Super HAD II CCD	
Picture Elements	NTSC:510x492, PAL:500x582	
Resolution	420 TVL	
Min. Illumination	0.05 Lux @ F1.2	
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Video / DC Drive	
Lens Mount	C / CS	
Sync. System	Internal	
Video Output	1 Vp-p / 75 Ohms	
Power Supply	DC12V±10% (Optional:AC100~240V, DC12V / AC24V Dual)	
Power Consumption	DC : 135mA max.(RYK-275) , AC : 3.2 W max.(AC for RYK-475)	
Operating Temp.	-10°C ~ 50°C	

RYK-268F, 468F

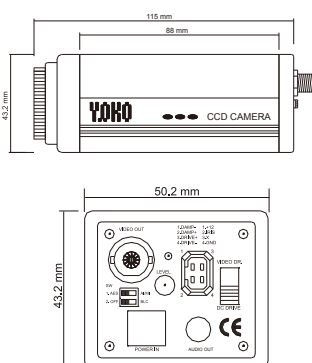
Standard Box Camera

FEATURES

- 540 TV Line
- C/CS Mount
- Support AWB, AGC and AES
- Optional: DC12V/AC24V Dual Power
100~240V AC Power
OSD Interface
Audio



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-268F	RYK-468F
Image Device	1/3" Color Hi-Res. CCD	
Picture Elements	NTSC:768x494, PAL:752x582	
Resolution	540 TVL	
Min. Illumination	0.1 Lux @ F1.2	
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Auto / Manual	
Lens Furnished	C / CS	
Sync. System	Internal	
Video Output	1 Vp-p / 75 Ohms	
Power Supply	DC12V±10% (Optional:AC100~240V, DC12V / AC24V Dual)	
Power Consumption	DC : 90mA max., AC : 1.5 W max. (AC for RYK-468F)	
Operating Temp.	-10°C ~ 50°C	

RYK-S504, S604

High Res. 40M Vari-Focal Cable Management IR Camera

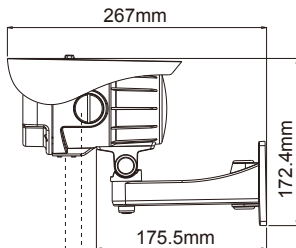
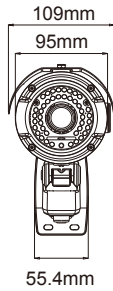
FEATURES

- Effio-S/P Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Built-in 3.7~12mm Vari-Focal DC Lens With ICR
- Built-in 42 Pieces IR-LED (up to 10 / 25 / 40M Selectable)
- Concealed Cable Bracket
- External Focal Adjustment
- Weatherproofing IP66
- Color Adjustment
- Optional:DC12V/AC24V Dual Power

Heater



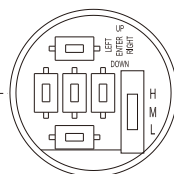
DIMENSIONS



External Focus-Adjustment



Function Key



SPECIFICATIONS

Model No.	RYK-S504DL2VR	RYK-S604DL2VR
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD
	Picture Elements	NTSC:976x494, PAL:976x582
	Resolution	700 TVL
	Illumination	0.005 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000
LENS	Lens Drive Type	3.7~12mm Vari-Focal ICR Lens
	Focal Length	Wide:76.1°x55.8°, Tele:23.8°x17.9°
	Aperture Range	F1.6~3.0
DAY / NIGHT	Iris Control	Auto
	IR-Cut filter Removable	Yes
	Day & Night	Auto / Day / Night / External
	Infrared Luminary	42 Pieces IR- LED
	Illumination Distance	Max. 40M (IR Range Selectable)
	Wavelength	850 nm
FUNCTIONS	Light Transistor	Yes
	On-Screen-Display (OSD)	Yes
	Language	English / Simplified Chinese / Traditional Chinese
	Digital Zoom	16x
	Wide Dynamic Range (WDR)	N/A
	Adaptive Tone Reproduction (ATR)	On / Off
	Digital Noise Reduction (DNR)	2DNR: On / Off 3DNR: On / Off
	Digital Slow Shutter (DSS)	On / Off
	Digital Image Stabilization (DIS)	On / Off
	Color Adjustment	Saturation / Hue / Brightness / Sharpness / Contrast
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto
	Gain Control	Low / High
	Back Light Comp.	On / Off
	Flickerless Mode	On / Off
	Mirror	On / Off
GENERAL	Freeze	On / Off (NTSC:1/100, PAL:1/120)
	Positive / Negative	On / Off
	Motion Detection	On / Off
	Privacy Masking	On / Off
	Camera Title	Yes
	Camera ID	000~255
	View Mode	CRT / LCD / User
	Vandal Proof	Yes
	Weatherproof	IP66
	Heater	Optional
	FAN	Yes
	I/O Interface	1 x D/I, 1 x D/O
	Remote Control	RS485/422
	Protocol	Pelco
	Baud Rate	9600
Sync. System	Internal / External Line Lock	
Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
Dimension	109x267x172.4mm	
Power Supply	DC12V (Optional: DC12V/AC24V)	
Power Consumption	525mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-2W93, 2W97

High Res. 40M Vari-Focal Cable Management IR Camera

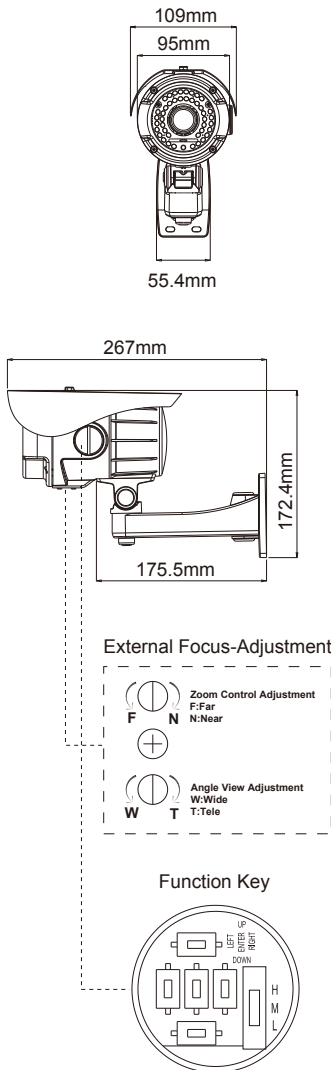
FEATURES

- Over 600TV Line
- Built-in 3.7~12mm Vari-Focal DC Lens With ICR
- Built-in 42 Pieces IR-LED (up to 10 / 25 / 40M Selectable)
- Concealed Cable Bracket
- External Focal Adjustment
- Weatherproofing IP66
- Optional:DC12V/AC24V Dual Power

Heater



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2W93L4VR	RYK-2W97L4VR		
VIDEO	Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:768x494, PAL: 752x582	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	700 TVL	
	Illumination	0.1 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB		
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000		
LENS	Gamma	0.45		
	Lens Drive Type	3.7~12mm Vari-Focal ICR Lens		
	Focal Length	Wide:76.1°x55.8°, Tele:23.8°x17.9°		
	Aperture Range	F1.6~3.0		
DAY / NIGHT	Iris Control	Auto		
	IR-Cut filter Removable	Yes		
	Day & Night	Auto / Day / Night / External		
	Infrared Luminary	42 Pieces IR- LED		
	Illumination Distance	Max. 40M (IR Range Selectable)		
	Wavelength	850 nm		
FUNCTIONS	Light Transistor	Yes		
	On-Screen-Display (OSD)	Yes		
	Language	English / Simplified Chinese	English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese	
	Adaptive Tone Reproduction (ATR)	On / Off		
	Digital Noise Reduction (DNR)	On / Off		
	High light compensation (HLC)	On / Off		
	Dead Pixel Compensation (DPC)	On / Off	-	
	Lens Shading Compensation (LSC)	On / Off	-	
	Packing Line	On / Off	-	
	IR Optimizer (IR Smart)	On / Off		
	White Balance	ATW1 / ATW2 / Manual / Push Auto	ATW / Manual / Push / ANTI CR / USER1 / USER2 / Push Lock	
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
Mirror	On / Off			
Freeze	On / Off	NTSC:1/100, PAL:1/120		
Positive / Negative	On / Off			
Motion Detection	On / Off	4 free areas (Area size adjustable)		
Privacy Masking	On / Off	8 free areas (Area size adjustable)		
Camera Title	Yes			
View Mode	CRT / LCD / User	Up to 52 characters		
GENERAL	Vandal Proof	Yes		
	Weatherproof	IP66		
	Heater	Optional		
	FAN	Yes		
	Sync. System	Internal		
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)		
	Dimension	109x267x172.4mm		
	Power Supply	DC12V(Optional: DC12V / AC24V,)		
	Power Consumption	IR On	540mA	560mA
		IR Off	190mA	210mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)			

RYK-2W49, 2W79

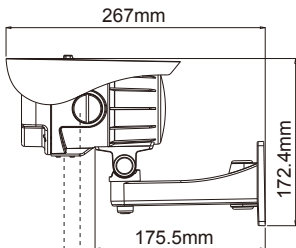
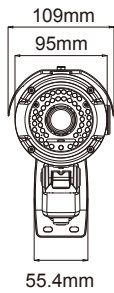
40M Vari-Focal Cable Management IR Camera

FEATURES

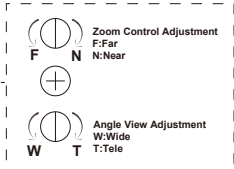
- 420~550 TV Line
- Built-in 3.7~12mm Vari-Focal DC Lens With ICR
- Built-in 42 Pieces IR-LED (up to 10 / 25 / 40M Selectable)
- Concealed Cable Bracket
- External Focal Adjustment
- Weatherproofing IP66
- Optional: DC12V/AC24V Dual Power Heater



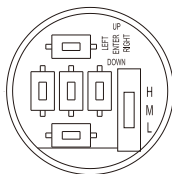
DIMENSIONS



External Focus-Adjustment



Function Key



SPECIFICATIONS

Model No.		RYK-2W49L4VR	RYK-2W79L4VR
VIDEO	Image Device	1/3"Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
	Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
	Resolution (Frame Rates)	420 TVL	540 TVL
	Illumination	0.05 Lux @ F1.2 Color Mode	0.1 Lux @ F1.2 Color Mode
	S/N Ratio	More than 48dB	
	Electronic Shutter	Auto: 1/50(60)~1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	3.7~12mm Vari-Focal ICR Lens	
	Focal Length	Wide:76.1°x55.8°, Tele:23.8°x17.9°	
	Aperture Range	F1.6~3.0	
	Iris Control	Auto	
DAY / NIGHT	IR-Cut filter Removable	Yes	
	Day & Night	External	
	Infrared Luminary	42 Pieces IR- LED	
	Illumination Distance	Max. 40M (IR Range Selectable)	
	Wavelength	850 nm	
FUNCTIONS	Light Transistor	Yes	
	White Balance	Auto	
	Gain Control	Auto	
	Back Light Comp.	On / Off	
GENERAL	Flickerless Mode	On / Off	
	Vandal Proof	Yes	
	Weatherproof	IP66	
	Heater	Optional	
	FAN	Yes	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	109x267x172.4mm	
	Power Supply	DC12V (Optional: DC12V / AC24V)	
	Power Consumption	IR On	580mA
IR Off		230mA	190mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-2Q79/7, 2Q97/7

20M Cable Management IR Camera

FEATURES

- 550~600 TV Line
- Support AWB, AGC and AES
- Support Digital Noise Reduction (DNR) [RYK-2Q97/7]
- Built-in F1.2 Board Lens
- Built-in 16 Pieces High Power IR-LED (up to 50M)
- Dual Window Structure
- 3AXIS Concealed Cable Bracket
- Weatherproofing IP68



DIMENSIONS

Coming Soon

SPECIFICATIONS

Model No.	RYK-2Q79L5/7		RYK-2Q97L5/7		
VIDEO	Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD		
	Picture Elements	NTSC:768x494, PAL:752x582	NTSC:976x494, PAL:976x582		
	Resolution (Frame Rates)	540 TVL	700 TVL		
	Illumination	0.1 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode		
	S/N Ratio	More than 48dB	More than 50dB		
	Electronic Shutter	Auto: 1/50(60)~1/100,000			
	Gamma	0.45			
LENS	Lens Drive Type	Board Lens 8mm (Optional : 6 / 12mm)			
	Aperture Range	F1.2			
	Iris Control	Fixed			
DAY / NIGHT	IR-Cut filter Removable	N/A			
	Day & Night	External			
	Infrared Luminary	16 Pieces High Power IR- LED			
	Illumination Distance	Max. 50M			
	Wavelength	850 nm			
	Light Transistor	Yes			
FUNCTIONS	IR Optimizer (IR Smart)	Yes	-		
	White Balance	Auto			
	Gain Control	Auto			
	Back Light Comp.	On / Off			
	Flickerless Mode	On / Off			
GENERAL	Weatherproof	IP68			
	Sync. System	Internal			
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)			
	Dimension	To-be-decided			
	Power Supply	DC12V			
	Power Consumption	IR On	330mA	350mA	
		IR Off	90mA	110mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)			

RYK-2B97L2/1

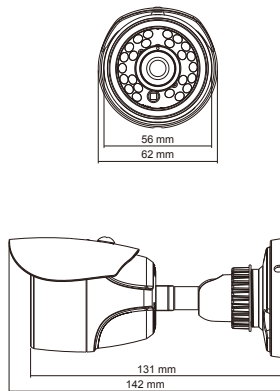
20M Cable Management IR Camera

FEATURES

- Effio-E Platform
- 700 TV Line
- Support AWB, AGC, AES and DNR
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Concealed Cable Bracket
- Weatherproofing IP68



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2B97L2/1	
Image Device	1/3" Color Sony Exview HAD II CCD	
Picture Elements	NTSC: 976x494, PAL: 976x582	
Resolution	700 TVL	
Min. Illumination	0.01 Lux @ F1.2	
S/N Ratio	More than 50dB	
Electronic Shutter	Auto: 1/50(60)~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens f 3.6mm / F2.0 (Optional : f= 4.3 / 6.0 / 12mm)	
Sync. System	1 Vp-p / 75 Ohms	
Power Supply	DC 12V±10%	
Power	IR On	310mA
Consumption	IR Off	110mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-2B49L2/1, 2B79L2/1

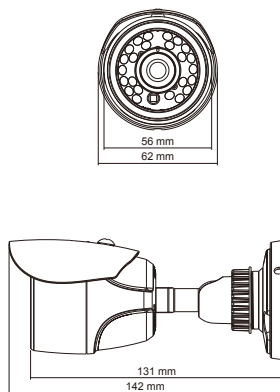
20M Cable Management IR Camera

FEATURES

- 420~540TV Line
- Support AWB, AGC and AES
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Concealed Cable Bracket
- Weatherproofing IP68



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2B49L2/1	RYK-2B79L2/1
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res CCD
Picture Elements	NTSC: 510x492, PAL: 500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2 (IR Off)	0.1 Lux @ F1.2 (IR Off)
S/N Ratio	More than 48dB	
Electronic Shutter	Auto: 1/50(60)~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens f 3.6mm / F2.0 (Optional : f= 4.3 / 6.0 / 12mm)	
Sync. System	Internal	
Power Supply	DC 12V±10%	
Power	IR On	335mA
Consumption	IR Off	135mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

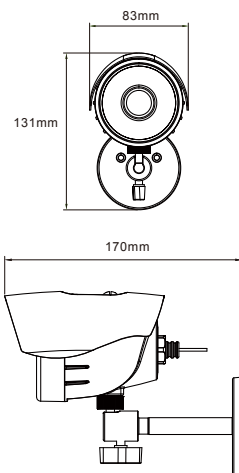
RYK-2Q92/5

IR Camera

FEATURES

- 420 TV Line
- Support AWB, AGC and AES
- Built-in 18 / 36 Pieces IR-LED (up to 20M / 30M)
- Dual Window Structure
- Weatherproofing IP68

DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2Q92L3/5	
Image Device	1/3" Color Sony HAD II CCD	
Picture Elements	NTSC: 510x492, PAL: 500x582	
Resolution	420 TVL	
Min. Illumination	0.05 Lux @ F1.2 (IR Off)	
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens f 4.3mm / F2.0 (Optional : f= 6 / 8 / 12mm)	
Sync. System	Internal	
Power Supply	DC 12V±10%	
Power	IR On	390mA
Consumption	IR Off	90mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	



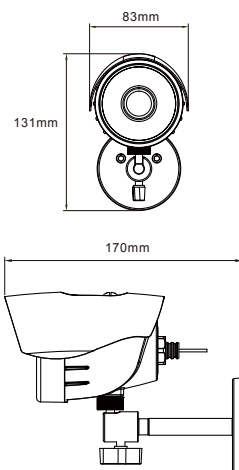
RYK-2Q49/5, 2Q79/5

IR Camera

FEATURES

- 420~540 TV Line
- Support AWB, AGC and AES
- Built-in 18 / 36 Pieces IR-LED (up to 20M / 30M)
- Dual Window Structure
- Weatherproofing IP68

DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2Q49L3/5	RYK-2Q79L3/5
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC: 510x492, PAL: 500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2 (IR Off)	0.1 Lux @F1.2 (IR Off)
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens f 4.3mm / F2.0 (Optional : f= 6 / 8 / 12mm)	
Sync. System	Internal	
Power Supply	DC 12V±10%	
Power	IR On	435mA
Consumption	IR Off	135mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

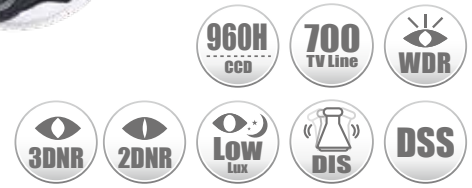


RYK-S503, S603

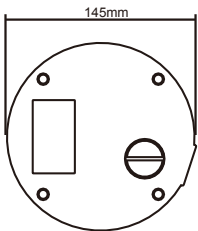
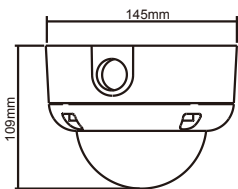
High Level Dome Camera

FEATURES

- Effio-S/P Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- 3-AXIS Mechanism Design
- External OSD Interface
- Vandal Proof Design
- Weatherproofing
- Color Adjustment
- Optional: DC12V/AC24V Dual Power
VF: Vari-Focal DC Lens 2.8~10.5mm (without ICR)
24 Pieces IR-LED (up to 20M)



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-S503DL2VR	RYK-S603DL2VR	
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	700 TVL	700 TVL
	Illumination	0.005 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens	
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°	
	Aperture Range	F1.2~2.6	
	Iris Control	Auto	
DAY / NIGHT	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	Infrared Luminary	24 Pieces IR-LED	
	Illumination Distance	20 M	
	Wavelength	850 nm	
	Light Transistor	Yes	
FUNCTIONS	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese / Traditional Chinese	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	N/A	N/A
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	2DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH 3DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH	
	Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256, 512 FLD	
	Digital Image Stabilization (DIS)	On / Off	
	Color Adjustment	Saturation / Hue / Brightness / Sharpness / Contrast	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	LOW / MID / HIGH	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off (NTSC:1/100, PAL:1/120)	
	Positive / Negative	On / Off	
	Motion Detection	24*16 detection blocks	
	Privacy Masking	On / Off	
	Camera Title	Yes	
	Camera ID	000~255	
View Mode	CRT / LCD / User		
GENERAL	Vandal Proof	Yes	
	Weatherproof	Yes	
	I/O Interface	1 x D/I, 1 x D/O	
	Remote Control	RS485/422	
	Protocol	Pelco	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	109x145mm	
	Power Supply	DC12V (Optional: DC12V/AC24V)	
	Power Consumption	375mA	
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-2H93/7, 2H97/7

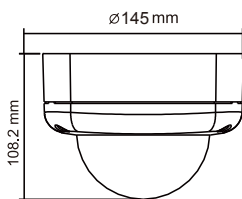
High Res. 20M Vari-Focal Dome Camera

FEATURES

- Over 600TV Line
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- 3-AXIS Mechanism Design
- External OSD Interface
- Vandal Proof Design
- Weatherproofing
- Optional: DC12V/AC24V Dual Power



DIMENSIONS



SPECIFICATIONS

Model No.		RYK-2H93L2/7VR	RYK-2H97L2/7VR	
VIDEO	Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:768x494, PAL: 752x582	NTSC:976x494, PAL:976x582	
	Resolution	600 TVL	700 TVL	
	Illumination	0.1 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB		
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000		
LENS	Gamma	0.45		
	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens		
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°		
	Aperture Range	F1.2~2.6		
DAY / NIGHT	Iris Control	Auto		
	IR-Cut filter Removable	Yes		
	Day & Night	Auto / Day / Night / External		
	Infrared Luminary	24 Pieces IR- LED		
	Illumination Distance	20 M		
	Wavelength	850 nm		
FUNCTIONS	Light Transistor	Yes		
	On-Screen-Display (OSD)	Yes		
	Language	English / Simplified Chinese	English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese	
	Adaptive Tone Reproduction (ATR)	On / Off		
	Digital Noise Reduction (DNR)	On / Off		
	High light compensation (HLC)	On / Off		
	Dead Pixel Compensation (DPC)	On / Off	-	
	Lens Shading Compensation (LSC)	On / Off	-	
	Packing Line	On / Off	-	
	IR Optimizer (IR Smart)	On / Off		
	White Balance	ATW1 / ATW2 / Manual / Push Auto	ATW / Manual / Push / ANTI CR / USER1 / USER2 / Push Lock	
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
	Mirror	On / Off		
	Freeze	On / Off	NTSC:1/100, PAL:1/120	
	Positive / Negative	On / Off		
Motion Detection	On / Off	4 free areas (Area size adjustable)		
Privacy Masking	On / Off	8 free areas (Area size adjustable)		
Camera Title	Yes	Up to 52 characters		
View Mode	CRT / LCD / User	N/A		
GENERAL	Vandal Proof	Yes		
	Weatherproof	IP66		
	Sync. System	Internal		
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)		
	Dimension	145x108.2mm		
	Power Supply	DC12V		
	Power Consumption	IR On	390mA	410mA
		IR Off	190mA	210mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)			

RYK-2H79/7

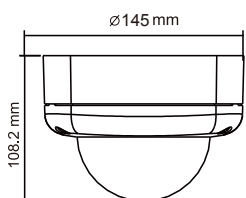
20M Vari-Focal Dome Camera

FEATURES

- 420~550 TV Line
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- 3-AXIS Mechanism Design
- External OSD Interface
- Vandal Proof Design
- Weatherproofing
- Optional: DC12V/AC24V Dual Power



DIMENSIONS



SPECIFICATIONS

Model No.		RYK-2H79L2/7VR	
VIDEO	Image Device	1/3" Color Hi-Res. CCD	
	Picture Elements	NTSC:768x494, PAL:752x582	
	Resolution	540 TVL	
	Illumination	0.1 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 48dB	
	Electronic Shutter	Auto: 1/50(60)~1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens	
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°	
	Aperture Range	F1.2~2.6	
	Iris Control	Auto	
DAY / NIGHT	IR-Cut filter Removable	Yes	
	Day & Night	External	
	Infrared Luminary	24 Pieces IR- LED	
	Illumination Distance	20 M	
	Wavelength	850 nm	
	Light Transistor	Yes	
FUNCTIONS	White Balance	Auto	
	Gain Control	Auto	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
GENERAL	Vandal Proof	Yes	
	Weatherproof	IP66	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	145x108.2mm	
	Power Supply	DC12V (Optional: DC12V / AC24V,)	
	Power Consumption	IR On	390mA
		IR Off	190mA
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-2H93, 2H97

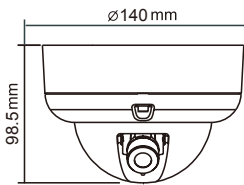
Vandal-Proof 20M IR Dome Camera

FEATURES

- 600~700 TV Line
- Support AWB, AGC, AES and DNR [RYK-2H97]
- 3-AXIS Mechanism for Free Lens Rotation
- Optional: VF:Vari-Focal DC Lens 3.7~12mm (without ICR)
External OSD Interface



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2H93	RYK-2H97
Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD
Picture Elements	NTSC:768x494, PAL:752x582	NTSC: 976x494, PAL: 976x582
Resolution	600 TVL	700 TVL
Min. Illumination	0.1 Lux @ F1.2	0.01 Lux @ F1.2
S/N Ratio	More than 50dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens (BL) : 3.6mm / F2.0 (Optional:4.3/6/12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power Consumption	90mA	110mA
Operating Temp.	-10°C ~ 50°C	

RYK-2H49, 2H79

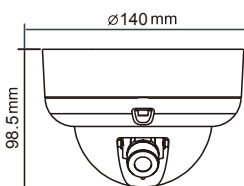
Vandal-Proof 20M IR Dome Camera

FEATURES

- 420~540TV Line
- Support AWB, AGC and AES
- 3-AXIS Mechanism for Free Lens Rotation
- Optional: VF:Vari-Focal DC Lens 3.7~12mm (without ICR)



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2H49	RYK-2H79
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2 (IR Off)	0.1 Lux @ F1.2 (IR Off)
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens (BL) : 3.6mm / F2.0 (Optional:4.3/6/12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power Consumption	135mA	90mA
Operating Temp.	-10°C ~ 50°C	

RYK-2Y97VR/4

20M Vari-Focal Dome Camera

FEATURES

- Enhance Effio-E Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Support AWB, AGC and AES
- Support Digital Noise Reduction (DNR)
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Mechanism Design
- Vandal Proof
- Weatherproofing IP66
- Optional: VF:Vari-Focal DC Lens 2.8~10.5mm (without ICR)
VT:Vari-Focal Fixed Lens 3~9mm



DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.		RYK-2Y97L2VR/4	
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution (Frame Rates)	700 TVL	
	Illumination	0.01 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50(60)~1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens	
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°	
	Aperture Range	F1.2~2.6	
	Iris Control	Auto	
DAY / NIGHT	IR-Cut filter Removable	Yes	
	Day & Night	External	
	Infrared Luminary	24 Pieces IR- LED	
	Illumination Distance	20 M	
	Wavelength	850 nm	
FUNCTIONS	Light Transistor	Yes	
	White Balance	Auto	
	Gain Control	Auto	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
GENERAL	Vandal Proof	Yes	
	Weatherproof	IP66	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension	To-be-decided	
	Power Supply	DC12V	
	Power Consumption	IR On	410mA
		IR Off	210mA
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	

RYK-2Y49VR/4, 2Y79VR/4

20M Vari-Focal Dome Camera

FEATURES

- 420~550 TV Line
- Support AWB, AGC and AES
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Mechanism Design
- Vandal Proof
- Weatherproofing IP66
- Optional: VF:Vari-Focal DC Lens 2.8~10.5mm (without ICR)
VT:Vari-Focal Fixed Lens 3~9mm



DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.		RYK-2Y49L2VR/4	RYK2Y79L2VR/4	
VIDEO	Image Device	1/3"Sony Super HAD II CCD	1/3" Color Hi-Res. CCD	
	Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582	
	Resolution (Frame Rates)	420 TVL	540 TVL	
	Illumination	0.05 Lux @ F1.2 Color Mode	0.1 Lux @ F1.2 Color Mode	
	S/N Ratio	More than 48dB		
	Electronic Shutter	Auto: 1/50(60)~1/100,000		
	Gamma	0.45		
LENS	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens		
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°		
	Aperture Range	F1.2~2.6		
	Iris Control	Auto		
DAY / NIGHT	IR-Cut filter Removable	Yes		
	Day & Night	External		
	Infrared Luminary	24 Pieces IR- LED		
	Illumination Distance	20 M		
	Wavelength	850 nm		
	Light Transistor	Yes		
FUNCTIONS	White Balance	Auto		
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
GENERAL	Vandal Proof	Yes		
	Weatherproof	IP66		
	Sync. System	Internal		
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)		
	Dimension	To-be-decided		
	Power Supply	DC12V		
	Power Consumption	IR On	430mA	390mA
		IR Off	230mA	190mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)			

RYK-2Y97L2/3

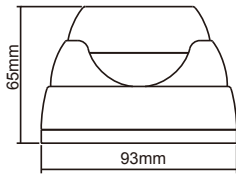
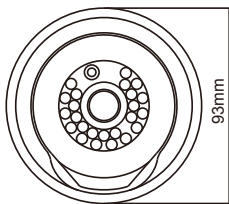
Vandal-Proof 20M IR Dome Camera

FEATURES

- 700 TV Line
- Support AWB, AGC, AES and DNR
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Mechanism for Free Lens Rotation
- Vandal Proof



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2Y97L2/3	
Image Device	1/3" Color Sony Exview HAD II CCD	
Picture Elements	NTSC: 976x494, PAL: 976x582	
Resolution	700 TVL	
Min. Illumination	0.01 Lux @ F1.2	
S/N Ratio	More than 50dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens (BL) : 3.6mm / F2.0 (Optional:4.3 / 6 / 12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power	IR On	310mA
Consumption	IR Off	110mA
Operating Temp.	-10°C ~ 50°C	

RYK-2Y49L2/3, 2Y79L2/3

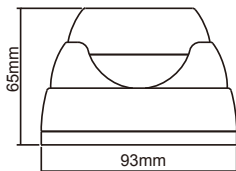
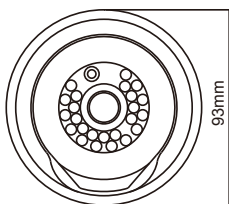
Vandal-Proof 20M IR Dome Camera

FEATURES

- 420~540 TV Line
- Support AWB, AGC and AES
- Built-in 24 Pieces IR-LED (up to 20M)
- Dual Window Structure
- 3-AXIS Mechanism for Free Lens Rotation
- Vandal Proof



DIMENSIONS



SPECIFICATIONS

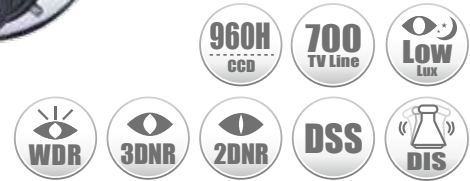
Model No.	RYK-2Y49L2/3	RYK-2Y79L2/3
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2	0.1 Lux @ F1.2
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens (BL) : 3.6mm / F2.0 (Optional:4.3 / 6 / 12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power	IR On	335mA
Consumption	IR Off	135mA
Operating Temp.	-10°C ~ 50°C	

RYK-S502, S602

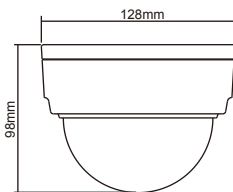
High Level Box Camera

FEATURES

- Effio-S/P Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- 3-AXIS Mechanism Design
- External OSD Interface
- Color Adjustment
- Optional: DC12V/AC24V Dual Power
- VF: Vari-Focal DC Lens 2.8~10.5mm (without ICR)
- 24 Pieces IR-LED (up to 20M)



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-S502DL2VR	RYK-S602DL2VR	
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution	700 TVL	700TVL
	Illumination	0.005 Lux @ F1.2 Color Mode	0.01 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
LENS	Gamma	0.45	
	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens	
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°	
	Aperture Range	F1.2~2.6	
DAY / NIGHT	Iris Control	Auto	
	IR-Cut filter Removable	Yes	
	Day & Night	Auto / Day / Night / External	
	Infrared Luminary	24 Pieces IR- LED	
	Illumination Distance	20 M	
	Wavelength	850 nm	
FUNCTIONS	Light Transistor	Yes	
	On-Screen-Display (OSD)	Yes	
	Language	English / Simplified Chinese / Traditional Chinese	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	N/A	N/A
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	2DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH 3DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH	
	Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256, 512 FLD	
	Digital Image Stabilization (DIS)	On / Off	
	Color Adjustment	Saturation / Hue / Brightness / Sharpness / Contrast	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	LOW / MID / HIGH	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off (NTSC:1/100, PAL:1/120)	
	Positive / Negative	On / Off	
	Motion Detection	24*16 detection blocks	
	Privacy Masking	On / Off	
	GENERAL	Camera Title	Yes
Camera ID		000~255	
View Mode		CRT / LCD / User	
I/O Interface		1 x D/I, 1 x D/O	
Remote Control		RS485/422	
Protocol		Pelco	
Baud Rate		9600	
Sync. System		Internal / External Line Lock	
Video Output		1 Vp-p / 75 Ohms CVBS (BNC)	
Dimension		128x90mm	
Power Supply	DC12V (Optional: DC12V/AC24V)		
Power Consumption	375mA		
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)		

RYK-2G93/7, 2G97/7

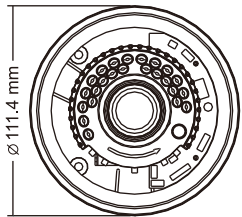
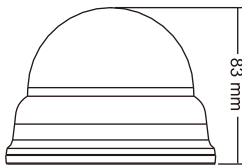
High Res. 20M Vari-Focal Dome Camera

FEATURES

- Over 600TV Line
- Built-in 2.8~10.5mm Vari-Focal DC Lens With ICR
- Built-in 24 Pieces IR-LED (up to 20M)
- 3-AXIS Mechanism Design
- External OSD Interface
- Optional:DC12V/AC24V Dual Power



DIMENSIONS



SPECIFICATIONS

Model No.		RYK-2G93L2/7VR	RYK-2G97L2/7VR	
VIDEO	Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD	
	Picture Elements	NTSC:510x492, PAL:500x582	NTSC:976x494, PAL:976x582	
	Resolution	420 TVL	700 TVL	
	Illumination	0.05 Lux@F1.2 Color Mode	0.01 Lux @F1.2 Color Mode	
	S/N Ratio	More than 50dB		
	Electronic Shutter	Atuo: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000		
LENS	Gamma	0.45		
	Lens Drive Type	2.8~10.5mm Vari-Focal ICR Lens		
	Focal Length	Wide:99.5°x73.2°, Tele:27.4°x20.6°		
	Aperture Range	F1.2~2.6		
	Iris Control	Auto		
DAY / NIGHT	IR-Cut filter Removable	Yes		
	Day & Night	Auto / Day / Night / External		
	Infrared Luminary	24 Pieces IR- LED		
	Illumination Distance	20 M		
	Wavelength	850 nm		
FUNCTIONS	Light Transistor	Yes		
	On-Screen-Display (OSD)	Yes		
	Language	English / Simplified Chinese	English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese	
	Wide Dynamic Range (WDR)	On / Off		
	Adaptive Tone Reproduction (ATR)	On / Off		
	High light compensation (HLC)	On / Off		
	Dead Pixel Compensation (DPC)	On / Off	-	
	Lens Shading Compensation (LSC)	On / Off	-	
	Packing Line	On / Off	-	
	IR Optimizer (IR Smart)	On / Off		
	White Balance	ATW1 / ATW2 / Manual / Push Auto	ATW / Manual / Push / ANTI CR / USER1 / USER2 / Push Lock	
	Gain Control	Auto		
	Back Light Comp.	On / Off		
	Flickerless Mode	On / Off		
	Mirror	On / Off		
	Freeze	On / Off	NTSC:1/100, PAL:1/120	
	Positive / Negative	On / Off		
	Motion Detection	On / Off	4 free areas (Area size adjustable)	
	Privacy Masking	On / Off	8 free areas (Area size adjustable)	
	Camera Title	Yes	Up to 52 characters	
View Mode	CRT / LCD / User	N/A		
GENERAL	Sync. System	Internal		
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)		
	Dimension	83x111.4mm		
	Power Supply	DC12V(Optional: DC12V / AC24V)		
	Power Consumption	IR On	390mA	410mA
		IR Off	190mA	210mA
Operating Temp.	-10°C ~ 50°C (14°F to 122°F)			

RYK-2G93L/2, 2G97L/2

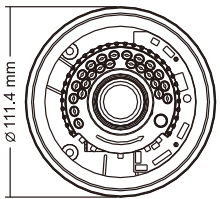
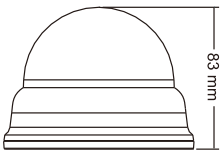
Vandal-Proof 20M IR Dome Camera

FEATURES

- 600~700 TV Line
- Support AWB, AGC, AES and DNR[RYK-2G97/2]
- 3-AXIS Mechanism for Free Lens Rotation
- Optional: VF:Vari-Focal DC Lens 2.8~10.5mm (without ICR)
VR:Vari-Focal DC Lens 2.8~10.5mm (with ICR)
VT:Vari-Focal Fixed Lens 3~9mm
24 Pieces IR-LED (up to 20M)
External OSD Interface



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2G93L/2	RYK-2G97L/2
Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD
Picture Elements	NTSC:768x494, PAL:752x582	NTSC: 976x494, PAL: 976x582
Resolution	600 TVL	700 TVL
Min. Illumination	0.1 Lux @ F1.2	0.01 Lux @F1.2
S/N Ratio	More than 50dB	
Electronic Shutter	NTSC: 1/60~1/100,000, PAL: 1/50~1/100,000	
Gamma	0.45	
Iris Control	DC / Auto / Manual	
Lens Furnished	3.6mm / F1.2 (Option:4.3 / 6 / 12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power	IR On	290mA
Consumption	IR Off	90mA
Operating Temp.	-10°C ~ 50°C	

RYK-2G49L/2, 2G79L/2

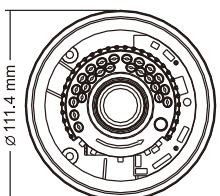
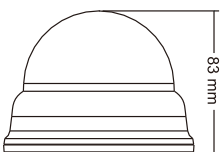
Vandal-Proof 20M IR Dome Camera

FEATURES

- 420~540 TV Line
- Support AWB, AGC and AES
- 3-AXIS Mechanism for Free Lens Rotation
- Optional: VF:Vari-Focal DC Lens 2.8~10.5mm (without ICR)
VR:Vari-Focal DC Lens 2.8~10.5mm (with ICR)
VT:Vari-Focal Fixed Lens 3~9mm
24 Pieces IR-LED (up to 20M)



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2G49L/2	RYK-2G79L/2
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2	0.1 Lux @ F1.2
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC: 1/60~1/100,000, PAL: 1/50~1/100,000	
Gamma	0.45	
Iris Control	DC / Auto / Manual	
Lens Furnished	3.6mm / F1.2 (Option:4.3 / 6 / 12mm)	
Sync. System	Internal	
Power Supply	DC12V±10%	
Power	IR On	335mA
Consumption	IR Off	135mA
Operating Temp.	-10°C ~ 50°C	

RYK-2397, 2379, 2349 / 2J97, 2J79, 2J49

Mini Dome Camera

FEATURES

- 420~700 TV Line
- Support AWB, AGC, AES and DNS
- 3-AXIS Mechanism for Free Lens Rotation

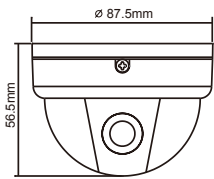


RYK-23xx

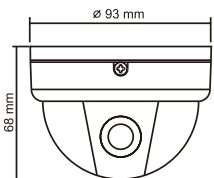


RYK-2Jxx
(Vandal Proof)

DIMENSIONS



RYK-23xx



RYK-2Jxx

SPECIFICATIONS

Model No.	RYK-2397	RYK-2349	RYK-2379
	RYK-2J97	RYK-2J49	RYK-2J79
Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC: 976x494, PAL: 976x582	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	700 TVL	420 TVL	540 TVL
Min. Illumination	0.01 Lux @ F1.2	0.05 Lux @F1.2	0.1 Lux @F1.2
S/N Ratio	More than 50dB		
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000		
Gamma	0.45		
Iris Control	Fixed		
Lens Furnished	Board Lens 3.6mm / F2.0 (Optional: 2.5/4.3/6/12)		
Sync. System	Internal		
Video Output	1 Vp-p / 75 Ohms		
Power Supply	DC12V±10%		
Power Consumption	95mA	120mA	75mA
Operating Temp.	-10°C ~ 50°C		

RYK-2497, 2449, 2479

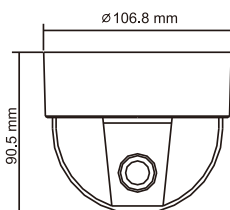
Vandal-Proof 20M IR Dome Camera

FEATURES

- 420~700 TV Line
- Support AWB, AGC, AES and DNR [RYK-2497]
- 3-AXIS Mechanism for Free Lens Rotation
- Optional:VF: Vari-Focal DC Lens 3.7~12mm (without ICR)
VR: Vari-Focal DC Lens 3.7~12mm(with ICR)
VT: Vari-Focal Fixed Lens 3~9mm



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2497	RYK-2449	RYK-2479
	Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II CCD
Picture Elements	NTSC: 976x494, PAL: 976x582	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	700 TVL	420 TVL	540 TVL
Min. Illumination	0.01 Lux @ F1.2	0.05 Lux @ F1.2	0.1 Lux @ F1.2
S/N Ratio	More than 50dB		
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000		
Gamma	0.45		
Iris Control	DC Drive (For VF Type Only)		
Lens Furnished	Board Lens (BL) : 3.6mm / F2.0 (Optional : 4.3 / 6 / 12mm)		
Sync. System	Internal		
Power Supply	DC12V±10%		
Power Consumption	95mA (35mA with VF Lens)	120mA (35mA with VF Lens)	75mA (35mA with VF Lens)
Operating Temp.	-10°C ~ 50°C		

RYK-2893/1, 2897/1

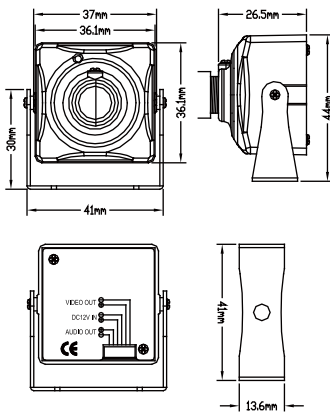
Color Mini Case Camera

FEATURES

- 600~700TVL
- Support: AES, AGC, AWB, BLC and DNR



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2893/1	RYK-2897/1
Image Device	1/3" Color Hi-Res. CCD	1/3" Color Sony Exview HAD II CCD
Picture Elements	NTSC: 768x494, PAL: 752x582	NTSC: 976x494, PAL: 976x582
Resolution	600 TVL	700 TVL
Min. Illumination	0.1 Lux @ F1.2	0.01 Lux @ F1.2
S/N Ratio	More than 50dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Gain Control	Auto	
Lens Furnished	Board Lens 3.6mm / F2.0 (Optional:2.5 / 4.3 / 6 /12mm)	
Sync. System	Internal	
Power Supply	12V DC±10 %	
Power Consumption	75mA	95mA
Operating Temp.	-10°C ~ 50°C	

RYK-2879, 2849

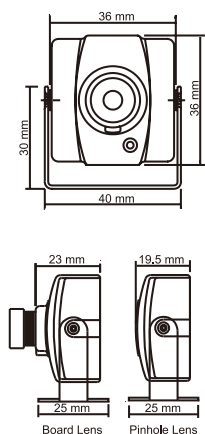
Mini Dome Camera

FEATURES

- 420~540 TV Line
- Support AWB, AGC and AES
- U Type Holder Design
- Optional : Pinhole Lens
Cone Lens



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2849	RYK-2879
Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Hi-Res. CCD
Picture Elements	NTSC:510x492, PAL:500x582	NTSC:768x494, PAL:752x582
Resolution	420 TVL	540 TVL
Min. Illumination	0.05 Lux @ F1.2	0.1 Lux @ F1.2
S/N Ratio	More than 48dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Board Lens 3.6mm / F2.0 (Optional:2.5 / 4.3 / 6 /12mm)	
Sync. System	Internal	
Video Output	1 Vp-p / 75 Ohms	
Power Supply	DC12V±10%	
Power Consumption	117mA	75mA
Operating Temp.	-10°C ~ 50°C	

RYK-2697, 2679, 2611

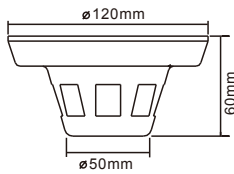
Smoke Detector & Mini Dome Camera

FEATURES

- 420~700 TV Line
- Support AWB, AGC, AES and DNR
- Built in Cone Lens



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2697	RYK-2679	RYK-2611
Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Color Sony Super HAD II CCD
Picture Elements	NTSC: 976x494, PAL: 976x582	NTSC:768x494, PAL:752x582	NTSC:510 x 492, PAL: 500 x 582
Resolution	700 TVL	540 TVL	420 TVL
Min. Illumination	0.01 Lux @ F1.2	0.1 Lux @ F1.2	0.05 Lux @ F1.2
S/N Ratio	More than 50dB		
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000		
Gamma	0.45		
Iris Control	Fixed		
Lens Furnished	Cone Lens 3.7mm / F2.0		
Sync. System	Internal		
Video Output	1 Vp-p / 75 Ohms		
Power Supply	DC12V±10%		
Power Consumption	95mA	75mA	117mA
Operating Temp.	-10°C ~ 50°C		

RYK-2597S, 2512S

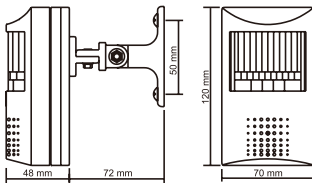
PIR Detection

FEATURES

- 420~700 TV Line
- Support AWB, AGC and AES
- Built-in Cone Lens
- Optional: PIR Module

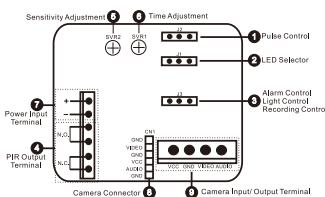


DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2597S	RYK-2512S
Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II CCD
Picture Elements	NTSC: 976x494, PAL: 976x582	NTSC:510x492, PAL:500x582
Resolution	700 TVL	420 TVL
Min. Illumination	0.01 Lux @ F1.2	0.05 Lux @ F1.2
S/N Ratio	More than 50dB	
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000	
Gamma	0.45	
Iris Control	Fixed	
Lens Furnished	Cone Lens 3.7mm / F2.0	
PIR N.C/N.O Relay Output	3A/120 VAC, 3A/24 VDC	
PIR N.C/N.O Relay Alarm Time	2 to 40 sec. (Adjustable)	
PIR Detection Angle	Hor.=100° / Ver.=45°	
PIR Detection Angle	Up to 15M	
Sync. System	Internal	
Video Output	1 Vp-p / 75 Ohms	
Power Supply	DC12V±10%	
Power Consumption	175mA	200mA
Operating Temp.	-10°C ~ 50°C	



PIR Board

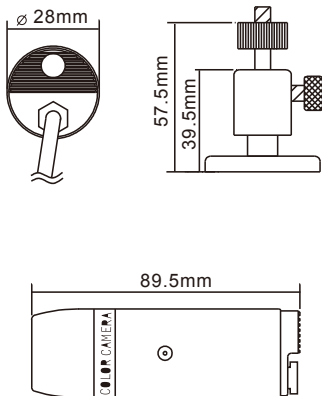
RYK-2739

Bullet Camera

FEATURES

- 330 TV Line
- Support AWB, AGC and AES
- 3-AXIS Mechanism Design

DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2739
Image Device	1/4" Color Sony Super HAD CCD
Picture Elements	NTSC:510x492, PAL:500x582
Resolution	330 TVL
Min. Illumination	0.05 Lux / F1.2
S/N Ratio	More than 48dB
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000
Gamma	0.45
Iris Control	Fixed
Lens Furnished	Board Lens 3.6mm / F2.0 (Optional:6 / 12mm)
Sync. System	Internal
Video Output	1 Vp-p / 75 Ohms
Power Supply	DC12V±10%
Power Consumption	120mA
Operating Temp.	-10°C ~ 50°C



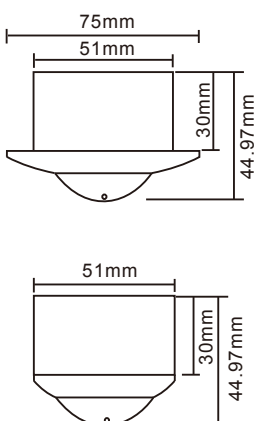
RYK-2C54

Mini Dome Camera

FEATURES

- 420 TV Line
- Support AWB, AGC and AES
- Built in Cone Lens
- Optional: In-ceiling / Surface

DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2C54
Image Device	1/3" Color Sony Super HAD II CCD
Picture Elements	NTSC:510x492, PAL:500x582
Resolution	420 TVL
Min. Illumination	0.05 Lux / F1.2
S/N Ratio	More than 48dB
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000
Gamma	0.45
Iris Control	Fixed
Lens Furnished	Board Lens 3.6mm / F2.0 (Optional:6 / 12mm)
Sync. System	Internal
Video Output	1 Vp-p / 75 Ohms
Power Supply	DC12V±10%
Power Consumption	120mA
Operating Temp.	-10°C ~ 50°C



***Without PIR sensor board : RYK-2512/2583

***Audio function is available for RYK-25xxS and RYK-25xxA

RYK-S505, S605

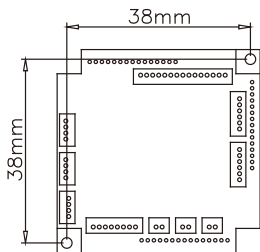
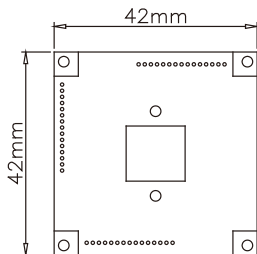
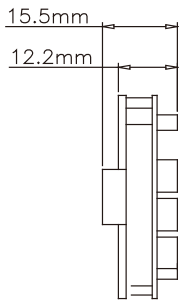
High Res. Multi-Function Board Camera

FEATURES

- Effio-S/P Platform
- Sony High-Resolution 960H CCD
- 700TV Line
- High Sensitivity CCD
- 42 x 42mm Board Design
- Color Adjustment



DIMENSIONS



SPECIFICATIONS

Model No.		RYK-S505(D)	RYK-S605(D)
VIDEO	Image Device	1/3" Color Sony Exview HAD II CCD	1/3" Color Sony Super HAD II Double-Density CCD
	Picture Elements	NTSC:976x494, PAL:976x582	
	Resolution (Frame Rates)	700 TVL	700 TVL
	Illumination	0.005 Lux @ F1.2 Color Mode	0.005 Lux @ F1.2 Color Mode
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	Board Lens f 3.6mm (Optional :f= 4.3 / 6.0 / 12mm)	
	Aperture Range	F2.0	
	Iris Control	Auto / Manual / Fixed	
DAY / NIGHT	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Yes	
FUNCTIONS	Language	English / Simplified Chinese / Traditional Chinese	
	Digital Zoom	16x	
	Wide Dynamic Range (WDR)	N/A	On / Off
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	2DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH 3DNR: LOW/MID.LOW/MID/MID.HIGH/HIGH	
	Digital Slow Shutter (DSS)	Off, 2~20, 40, 80, 160, 256, 512 FLD	
	Digital Image Stabilization (DIS)	On / Off	
	Color Adjustment	Saturation / Hue / Brightness / Sharpness / Contrast	
	White Balance	Auto / Indoor / Outdoor / Manual / Push Auto	
	Gain Control	LOW / MID / HIGH	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off (NTSC:1/100, PAL:1/120)	
	Positive / Negative	On / Off	
	Motion Detection	24*16 detection blocks	
	Privacy Masking	On / Off	
Camera Title	Yes		
Camera ID	000~255		
View Mode	CRT / LCD / User		
GENERAL	Remote Control	RS485	
	Protocol	Pelco	
	Baud Rate	9600	
	Sync. System	Internal / External Line Lock	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension (mm)	42 x 42	
	Power Supply	DC12V	
	Power Consumption	175mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	
	Certifications	CE	

RYK-2096, 2097

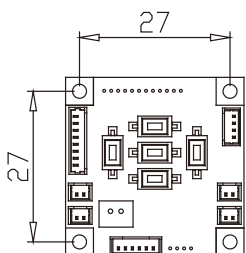
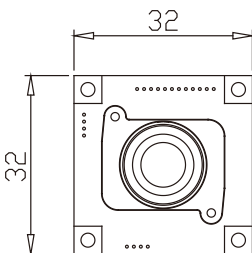
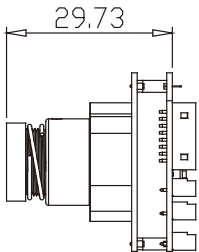
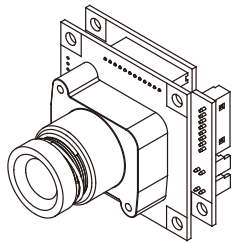
High Res. Multi-Function Board Camera

FEATURES

- 600 / 700 TV Line
- High Sensitivity CCD
- 32 x 32mm Board Design
- Optional: External OSD Interface
Audio Input / Output



DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2096(D)	RYK-2097(D)	
VIDEO	Image Device	1/3" Color Sony Super HAD II CCD	1/3" Color Sony Exview HAD II CCD
	Picture Elements	NTSC:768x494, PAL: 752 x582	NTSC: 976x494, PAL: 976x582
	Resolution (Frame Rates)	600 TVL	700 TVL
	Illumination	0.02 Lux @F1.2	0.01@F1.2
	S/N Ratio	More than 50dB	
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	Board Lens f 3.6mm (Optional :f= 4.3 / 6.0 / 12mm)	
	Aperture Range	F2.0	
	Iris Control	Auto / Manual / Fixed	
DAY / NIGHT	Day & Night	Auto / Day / Night / External	
	On-Screen-Display (OSD)	Optional	
FUNCTIONS	Language	English / Japanese / German / French / Russian / Portuguese / Spanish / Simplified Chinese	
	Adaptive Tone Reproduction (ATR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	High light compensation (HLC)	On / Off	
	IR Optimizer (IR Smart)	On / Off	
	White Balance	ATW / Manual / Push / ANTI CR / USER1 / USER2 / Push Lock	
	Gain Control	Auto	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	NTSC:1/100, PAL:1/120	
	Positive / Negative	On / Off	
	Motion Detection	4 free areas (Area size adjustable)	
Privacy Masking	8 free areas (Area size adjustable)		
GENERAL	Camera Title	Up to 52 characters	
	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Audio Output	2 Vp-p / 50 Ohms (Option)	
	Dimension (mm)	32 x 32	
	Power Supply	DC12V	
	Power Consumption	95mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	
	Certifications	CE	

RYK-2092, 2093

High Res. Multi-Function Board Camera

FEATURES

- 420 / 600TV Line
- High Sensitivity CCD
- 32 x 32mm Board Design
- Optional: External OSD Interface
Audio Input / Output



DIMENSIONS

SPECIFICATIONS

Coming Soon

Model No.	RYK-2092	RYK-2093	
VIDEO	Image Device	1/3" Color Normal-Res. CCD	1/3" Color Hi-Res. CCD
	Picture Elements (HxV)	NTSC:510x492, PAL: 500x582	NTSC:768x494, PAL: 752x582
	Resolution	420 TVL	600 TVL
	Illumination	0.05 Lux @F1.2	0.1 Lux@F1.2
	S/N Ratio	More than 48dB	More than 50dB
	Electronic Shutter	Auto: 1/50~1/100,000 Manual: 1/50(60), 1/100(120), 1/250, 1/500, 1/1000, 1/3000, 1/5000, 1/100,000	
	Gamma	0.45	
LENS	Lens Drive Type	Board Lens f 3.6mm / F2.0 (Optional :f= 4.3 / 6.0 / 12mm)	
	Aperture Range	F2.0	
	Iris Control	Auto / Manual / Fixed	
DAY / NIGHT	Day & Night (ICR)	Auto / Day / Night / External	
FUNCTIONS	On-Screen-Display (OSD)	Optional	
	Language	English / Simplified Chinese	
	Wide Dynamic Range (WDR)	On / Off	
	Digital Noise Reduction (DNR)	On / Off	
	High light compensation (HLC)	On / Off	
	Dead Pixel Compensation (DPC)	On / Off	
	Lens Shading Compensation (LSC)	On / Off	
	Packing Line	On / Off	
	IR Optimizer (IR Smart)	On / Off	
	Gain Control	Auto	
	Back Light Comp.	On / Off	
	Flickerless Mode	On / Off	
	Mirror	On / Off	
	Freeze	On / Off	
	Positive / Negative	On / Off	
	Motion Detection	On / Off	
	Privacy Masking	On / Off	
Camera Title	Yes		
View Mode	To-be-decided		
GENERAL	Sync. System	Internal	
	Video Output	1 Vp-p / 75 Ohms CVBS (BNC)	
	Dimension (mm)	32x32	
	Power Supply	DC12V	
	Power Consumption	75mA	
	Operating Temp.	-10°C ~ 50°C (14°F to 122°F)	
Certifications	CE		

RYK-2047, 2049, 2079, 2082

Board Camera

Camera Option

- 1/3"~1/4" Image Size
- 330~550 TV Line
- B/W or Color Type
- Single or Double Board Type
- Different Board Size Design



32x32mm



32x32mm
(Double Boards)

Lens Option

- Board Lens
- Pinhole Lens
- Cone Lens



Board Lens
(2.5/3.6/4.3/6/12mm)

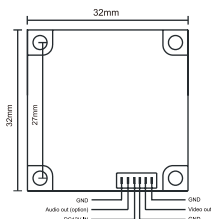
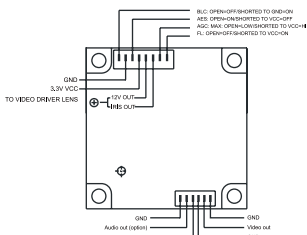


Pinhole Lens
(3.7/5.5mm)



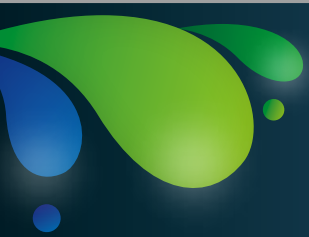
Cone Lens
(3.7mm)

DIMENSIONS



SPECIFICATIONS

Model No.	RYK-2047	RYK-2049	RYK-2079	RYK-2082
Image Device	1/4" Sony Super HAD CCD	1/3" Sony Super HAD II CCD	1/3" Color Hi-Res. CCD	1/3" Sony Super HAD II CCD
Picture Elements	NTSC:510x492, PAL:500x582		NTSC:768x492, PAL:752x582	NTSC:510x492, PAL:500x582
Resolution	330 TVL	420 TVL	540 TVL	420 TVL
Min. Illumination	0.1 Lux @ F1.2	0.05 Lux @ F1.2	0.1 Lux @ F1.2	0.05 Lux @ F1.2
S/N Ratio	More than 48dB			
Electronic Shutter	NTSC:1/60~1/100,000, PAL:1/50~1/100,000			
Flickerless Mode	-	On / Off		
Gamma	0.45			
Iris Control	Auto			
Lens Furnished	Board Lens 3.6mm / F2.0 (Option: Board Lens 2.5 / 4.3 / 6 / 12mm Cone Lens 3.7mm / F2.0, Pinhole Lens 3.7 / 3.5mm)			
White Balance	Auto			
Gain Control	High / Low			
Back Light Comp.	On / Off			
Sync. System	Internal			
Video Output	1 Vp-p / 75 Ohms			
Audio Output	2 Vp-p / 50 Ohms (option for RYK2xxxA)			
Power Supply	DC12V±10%			
Power Consumption	120mA	120mA	75mA	
Operating Temp.	-10°C ~ 50°C			
Dimensions (mm)	32x32 (Double Boards)			32x32
Option Model	RYK-2071 Single Board W/O Audio	RYK-2069 Single Board W/O Audio	-	-



DVR & PSR

YOKO TECHNOLOGY CORP.



- HD DVR
- H.264 DVR
- Portable Security Recorder

RYK-9274

4CH HD Real Time Recorder

FEATURES

Basic

- H.264 compression ideal for saving HDD space
- Live display, record, backup, playback and network access simultaneously
- 2 USB ports for mouse usage and backup
- Picture-in-picture monitoring and 2X to 8X digital zoom display
- Still image snapshot
- Backup to MPEG-4 file format
- Control methods: front panel, USB mouse, IR remote controller, client viewer
- Intuitive GUI for easy configuration and menu driven operation
- Pan / Tilt / Zoom camera control
- Data backup: USB devices, network
- Event triggered with email notification: motion detection, alarm, video loss
- Supports Internet Explorer with same GUI as DVR site
- Multi-language OSD

Advance

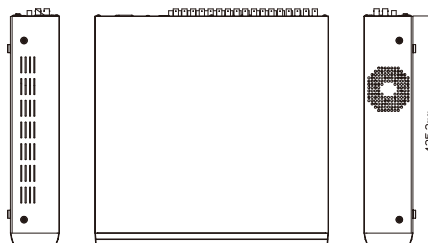
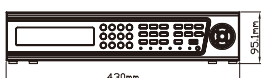
- HD real time recording
- Support wireless USB dongle
- 3G/GPRS mobile phone monitoring
- Dual streaming enhances the speed of network transmission
- Built-in HDMI output
- Built-in VGA output
- Individual setup of resolution, frame rate and video quality for each channel



SPECIFICATIONS

Model No.	RYK-9274
Operating System	Embedded Linux OS
Video Input	4HD-SDI
Video Output	1BNC for SPOT Monitor.
HDMI Output	Video Output [1024x768, 1280x1024, 1366x768, 1440x900] + Audio Output
VGA Output	1 Port
Audio Input	4HD-SDI
Audio Output	2RCA
Sensor	4 input / 4 output
RS-485	Pan/Tilt/Zoom Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)
USB Port	2 x USB2.0
Mouse	USB Mouse
IR Remote Controller	Max. 4 Device
HDD Support	Supports Max. x 6 SATA Devices(DVD Writer*1 + e-SATA*1 + HDD*4)
DVD Writer	Optional
Display Division	1,4, SEQ.
Video Compression	H.264
Audio Compression	ADPCM
Dual Stream Resolution(Main Recording)	1920 x 1080, 1280 x 720
Dual Stream Resolution(Sub Network)	640 x 360
Recording Frame Rate	60 fps (1920 x 1080) / 120 fps (1280 x 720)
Picture Quality	10~100 levels for adjustment
Record Mode	Manual, Motion, Sensor, Schedule
Pre-Alarm Recording	1 ~ 10 SEC
Post-Alarm Recording	1 ~ 100 SEC
Motion Detection	Detected Frames: Unlimited / Channel ; Area : Programmable individually ; Sensitivity : 100 levels for each channel
Search Mode	Time, Event Log
Playback Speed	Play, Pause, Stop, Slow(1/2, 1/4, 1/8), FF(4, 8, 16, 32), REW(4, 8, 16, 32), Frame Step, Seek Bar, Focus
Backup Mode	Remote Software, USB Flash Drive, USB DVD±RW, SATA DVD±RW
Network Application	Windows XP/VISTA/7, Mac OS X (PC Client system)
Network Software	Licensed Application Software, IE Browser
Network Users	1 Admin + 8 Users
Network Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP
3G Modem	HUAWEI USB Modem
Mobile System Support	iPhone, iPad, Android, Windows Phone 7
Remote Notification	E-mail
Daylight Saving	YES
Event Log List	Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full)
Watermark	YES
Touch Panel Interface	Touch Panel LCD Monitor (USB Interface, EETI Chipset Only)
Key Lock	YES
Firmware Update	USB Flash Drive
Dimension	430mm (W) x 95.2mm (H) x 422.1mm (D)
Power	110V / 220V
Power Source	220W
Operating Environment	30 ~ 80% RH, 5°C ~ 40°C (41°F ~ 104°F)

DIMENSIONS



RYK-9266

16CH H.264 Multiplex DVR

FEATURES

Basic

- H.264 compression ideal for saving HDD space
- Live display, record, backup, playback and network access simultaneously
- 2 USB ports for mouse usage and backup
- Picture-in-picture monitoring and 2X to 8X digital zoom display
- Still image snapshot
- Backup to MPEG-4 file format
- Control methods: front panel, USB mouse, IR remote controller, client viewer
- Intuitive GUI for easy configuration and menu driven operation
- Pan / Tilt / Zoom camera control
- Data backup: USB devices, network
- Event triggered with email notification: motion detection, alarm, video loss
- Supports Internet Explorer with same GUI as DVR site
- Multi-language OSD

Advance

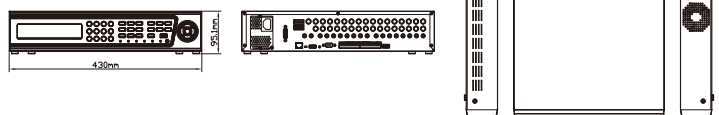
- D1 real time recording
- 3G/GPRS mobile surveillance system
- Support wireless USB dongle
- Dual streaming enhances the speed of network transmission
- Built-in HDMI output
- Built-in VGA output
- Individual setup of resolution, frame rate and video quality for each channel



SPECIFICATIONS

Model No.	RYK-9266
Operating System	Embedded Linux OS
Video System	NTSC / PAL Switch Select
Video Input	16BNC
Video Input Level	1.0Vp-p Composite, 75 Ohm Balanced
Video Output	1BNC for CO-Monitor or 1BNC for SPOT Monitor.
Video Looping Out	16CH
HDMI Output	Video Output [1024x768, 1280x1024, 1366x768, 1440x900] + Audio Output
VGA Output	1 Port
Audio Input	16RCA
Audio Input Level	0.5~1.4Vp-p@20K Ohm
Audio Output	2RCA
Sensor	16 input / 4 output
RS-485	Pan/Tilt/Zoom Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)
USB Port	2 x USB2.0
Mouse	USB Mouse
IR Remote Controller	Max. 4 Device
HDD Support	Supports Max. x 4 SATA Devices (HDDx4, HDDx3+DVDx1, HDDx3+eSATAx1, HDDx2+DVDx1+eSATAx1)
DVD Writer	Optional
Display Division	1,4,9,13,16 SEQ.
Video Compression	H.264
Audio Compression	ADPCM
Dual Stream Resolution(Main Recording)	704 X 480, 704 X 240, 352 X 240 (NTSC) / 704 X 576, 704 X 288, 352 X 288 (PAL)
Dual Stream Resolution(Sub Network)	176 x 240 (NTSC) / 176 x 288 (PAL)
Recording Frame Rate	D1 480 fps(704 x 480), HD1 480 fps(704 x 240), CIF 480 fps(352 x 240) / D1 400 fps(704 x 576), HD1 400 fps(704 x 288), CIF 400 fps(352 x 288)
Picture Quality	10~100 levels for adjustment
Record Mode	Continuous, Event and Schedule
Pre-Alarm Recording	1 ~ 10 SEC
Post-Alarm Recording	1 ~ 100 SEC
Motion Detection	Detected Frames: Unlimited / Channel ; Area : Programmable individually ; Sensitivity : 100 levels for each channel
Search Mode	Time, Event Log
Playback Speed	Play, Pause, Stop, Slow(1/2, 1/4, 1/8), FF(4, 8, 16, 32), REW(4, 8, 16, 32), Frame Step, Seek Bar, Focus
Backup Mode	Remote Software, USB Flash Drive, USB DVD±RW, SATA DVD±RW
Network Application	Windows XP/VISTA/7, Mac OS X (PC Client system)
Network Software	Licensed Application Software, IE Browser
Network Users	1 Admin + 8 Users
Network Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP
3G Modem	HUAWEI USB Modem
Mobile System Support	iPhone, iPad, Android, Windows Phone 7
Remote Notification	E-mail
Daylight Saving	YES
Event Log List	Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full)
Watermark	YES
Touch Panel Interface	Touch Panel LCD Monitor (USB Interface, EETI Chipset Only)
Key Lock	YES
Firmware Update	USB Flash Drive
Dimension	430mm (W) x 95.2mm (H) x 422.1mm (D)
Power	110V / 220V
Power Source	220W
Operating Environment	30 ~ 80% RH, 5°C~40°C (41°F~104°F)

DIMENSIONS



RYK-9246, 9248, 9244, 9240

4CH/8CH/16CH H.264 Multiplex DVR

H.264

FEATURES

Basic

- H.264 compression ideal for saving HDD space
- Live display, record, backup, playback and network access simultaneously
- Picture-in-picture monitoring and 2X to 8X digital zoom display
- Control methods: front panel, USB mouse, IR remote controller, client viewer
- Intuitive GUI for easy configuration and menu driven operation
- Pan / Tilt / Zoom camera control
- Event triggered with email notification: motion detection, alarm, video loss
- Supports Internet Explorer with same GUI as DVR site
- Multi-language OSD

Advance

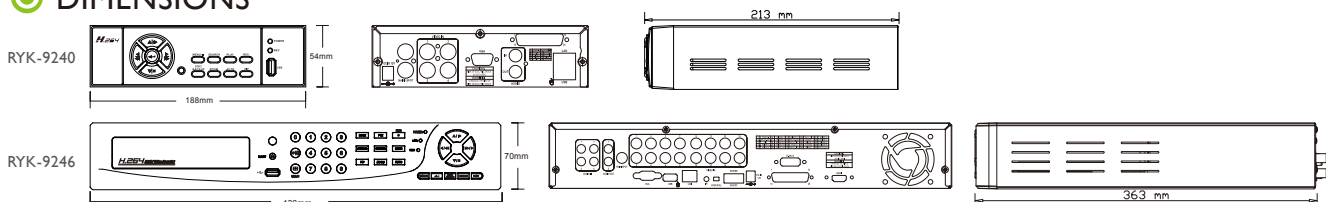
- 2 USB ports for mouse usage and backup
- Dual streaming enhances the speed of network transmission
- Built-in VGA output up to 1280x1024 resolution
- Individual setup of resolution, frame rate and video quality for each channel
- D1 real time level recording (4CH model type)
- Still image snapshot
- AVI converter with time stamp



SPECIFICATIONS

Model No.	RYK-9246	RYK-9248	RYK-9244	RYK-9240
Video System	NTSC / PAL Switch	NTSC / PAL Auto Detect or Fixed by Software		
Video Input	16CH BNC	8CH BNC	4CH BNC	
Video Input Level	1.0Vp-p Composite, 75 Ohm Balanced			
Video Output	1BNC for CO-Monitor or 1BNC for SPOT Monitor			
HDMI Output	1HDMI 1280x1024 (Optional)			N/A
VGA Output	1VGA (1280x1024, 1024x768, 800x600)			
Audio Input	4RCA			1RCA
Audio Input Level	0.5~1.4Vp-p@20K Ohm			
Audio Output	2RCA			1RCA
Audio Backup	YES			
Sensor	16 Input / 2 Output	8 Input / 1 Output	4 Input / 1 Output	
RS-485	Pan/Tilt/Zoom Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)			
USB Port	2 x USB2.0			
Mouse	USB Mouse			
IR Remote Controller	Max. 4 Device			
HDD Support	Supports Max. x 4 SATA Devices (HDDx2+DVDx1+ e-SATA x 1)	Supports Max. x 2 SATA Devices (HDDx2, HDDx1+DVDx1 or HDDx1+ e-SATA x 1)		Supports 1 SATA Device (HDDx1)
DVD Writer	Optional			No
Display Division	1,4,9,13,16 SEQ.	1,4,9 SEQ.	1,4 SEQ.	
Title	14 characters			
Video Compression	H.264			
Audio Compression	ADPCM			
Resolution	720x480, 720x240, 360x240 (NTSC) / 720x576, 720x288, 360x288 (PAL)			
Frame Rate	120, 240, 480 (NTSC) / 100, 200, 400 (PAL)	120, 240, 240 (NTSC) / 100, 200, 200 (PAL)		120, 120, 120 (NTSC) / 100, 100, 100 (PAL)
Quality	Highest, High, Normal, Basic, Below Basic			
Record Mode	Manual, Motion, Sensor, Schedule			
Pre-Alarm Recording	10 SEC			
Post-Alarm Recording	1~60 SEC			
Motion Detection	Detected Frames: Unlimited / Channel ; Area : Programmable individually ; Sensitivity : 10 levels for each channel			
Search Mode	Time, Event (Motion, Sensor)			
Playback Speed	Normal, REW & FF (recorded speed x2, x4, x8, x16, x32, x64), Frame to frame, Pause			
Backup Mode	Network Backup / USB Flash Drive / USB DVD±RW / SATA DVD±RW			Network Backup / USB Flash Drive / USB DVD±RW
Network Compression	H.264			
Network Software	Licensed Application Software, IE Browser, iPhone, Android phone			
Network Users	1 Admin + 4 users			
Remote Notification	E-mail			
Service	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP			
Daylight Saving	YES			
Event Log List	10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full, Backup Log)			
Watchdog	YES			
Recovery	Auto Reboot			
Key Lock	YES			
Firmware Update	USB Flash Drive			
Dimension	430mm (W) x 70mm (H) x 360mm (D)			188mm (W) x 54mm (H) x 209mm (D)
Power Source	Input 100~240V, Output 12V 6A	Input 100~240V, Output 12V 5A		Input 100~240V, Output 12V 3A
Operating Environment	30 ~ 80% RH, 5°C~ 40°C(41°F~104°F)			

DIMENSIONS



RYK-9106, 9116

Circuit Board of PSR

FEATURES

- H.264 (RYK9116) / MPEG4 (RYK9106) mini DVR / PCB dimension 38x38 mm
- PCB dimension 38x38 mm

Main Board

- 1CH video in / out
- 1CH audio in / out
- DC12V, 120mA
- USB Connector (Read Only RYK-9116)

I/O Board (customized)

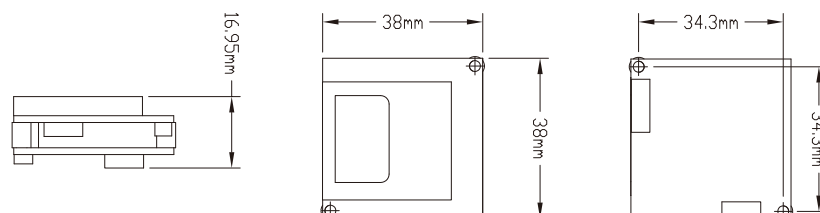
- 1CH alarm in / out
- 4 buttons (reset / play / record / stop) Remote Controller receiver
- SD memory slot
- Recording 30FPS@704x480 (NTSC) (RYK9116) / 30FPS@320x240 (NTSC) (RYK9106)
- Record mode: manual / motion detection / alarm / schedule



SPECIFICATIONS

Model No.	RYK-9106	RYK-9116	
Video System	NTSC / PAL auto detection		
Video Input	1CH (analog)		
Video Output	1CH (analog)		
Audio Input	1CH		
Audio Output	1CH		
Audio Backup	YES		
IR Remote Controller	YES		
Storage Media	Secure Digital High Capacity card (SDHC max. 32GB)		
Video Compression	MPEG4-SP	H.264	
Audio Compression	G.726 / 32 kbps		
File Format	ASF file	AVI file	
Resolution	640x480, 320x240 (NTSC) / 640x560, 320x280 (PAL)	704x480, 352x240 (NTSC) / 704x560, 352x280 (PAL)	
Frame Rate	12, 30 (NTSC) / 10, 25 (PAL)	30 (NTSC) / 25 (PAL)	
Quality	High, Medium, Low		
Record Mode	Manual, Schedule, Event (motion detection)		
Motion Detection	Multiple Blocks and adjustable sensitivity	22 X 15 (sensitivity 0 ~ 9)	
USB Device	N/C	signal Output (only pin connector)	
Alarm	Input	1 (NO/NC programmable)	
	Output	1 Relay	
	Triggered Mode	Motion Detection, Video Loss, Sensor Input	
	Action	Recording, Relay Output	
	Pre-Alarm	N/C	1~5 seconds
	Post-Alarm	N/C	5~60 seconds
Serarch Mode	Time, Event		
Playback Speed	Fast forward/backward 2X/4X/8X/16X/32X play/pause		
Firmware Update	SD Card		
Dimension	38mm x 38mm		
Power Source	DC12V		
Power Consumption	Max. 2.5W		
Operating Environment	30%~80% RH, 5°C~45°C(41°F~104°F)	30%~80% RH, 5°C~45°C(41°F~122°F)	

DIMENSIONS



RYK-9122, 9114

SecuMate Pro Portable Security Recorder

FEATURES

- MPEG4 compression (RYK-9122) / H.264 compression (RYK-9114)
- Portable and compact size
- Video loss auto detection
- Audio recording
- Adjustable sensitivity and area selectable for motion detection
- Three levels image quality
- Backup ASF / AVI file format with time stamp
- Record mode: Manual / Continuous / Motion Detection
- Independent frame rate for each recording mode
- Support SD card
- DC5V or AAx2 Batteries



RYK-9114

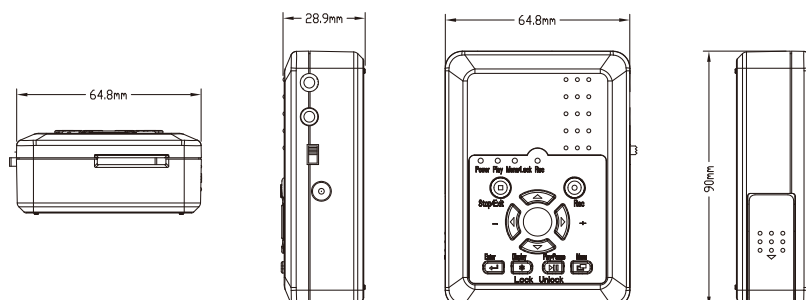


RYK-9122

SPECIFICATIONS

Model No.	RYK-9122	RYK-9114
Video System	NTSC / PAL auto detection	
Video Input	1CH phone jack	
Video Output	1CH phone jack	
Audio Input	1CH phone jack	
Audio Output	1CH phone jack	
Audio Backup	YES	
IR Remote Controller	NO	
Storage Media	Secure Digital High Capacity card (SDHC max. 32GB)	
Video Compression	MPEG4-SP	H.264
Audio Compression	G.726 /32 kbps	
File Format	ASF file	AVI file
Resolution	704x480, 352x240 (NTSC) / 704x560, 352x280 (PAL)	
Frame Rate	12, 30 (NTSC) / 10, 25 (PAL)	30 (NTSC) / 25 (PAL)
Quality	High, Medium, Low	
Record Mode	Manual, Schedule, Event (motion detection)	
Motion Detection	Multiple Blocks and adjustable sensitivity	22 X 15 (sensitivity 0 ~ 9)
Pre-Alarm	N/C	1~5 seconds
Post-Alarm	N/C	5~60 seconds
USB Device	N/C	signal Output (only pin connector)
Search Mode	Time, Event	
Playback Speed	Fast forward/backward 2X/4X/8X/16X/32X play/pause	
Firmware Update	SD Card	
Dimension	65mm (W) x90mm (H) x27mm (D)	
Power Source	DC5V 1A or AAx2 Batteries (rechargeable Ni-MH / alkaline battery / CR-V3 / RCR-V3)	
Power Consumption	Max. 2.5W	
Operating Environment	30~80% RH, 5°C~45°C(41°F~113°F)	

DIMENSIONS

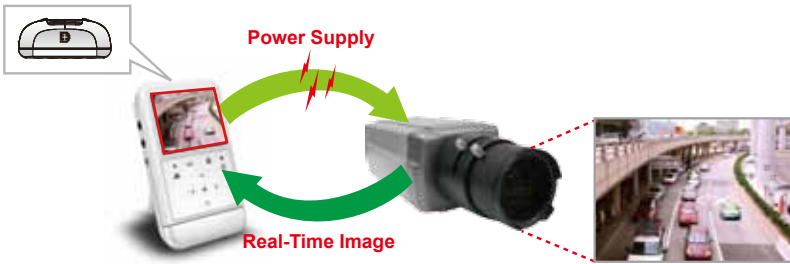


RYK-9118

Digital Video Capture Camera

FEATURES

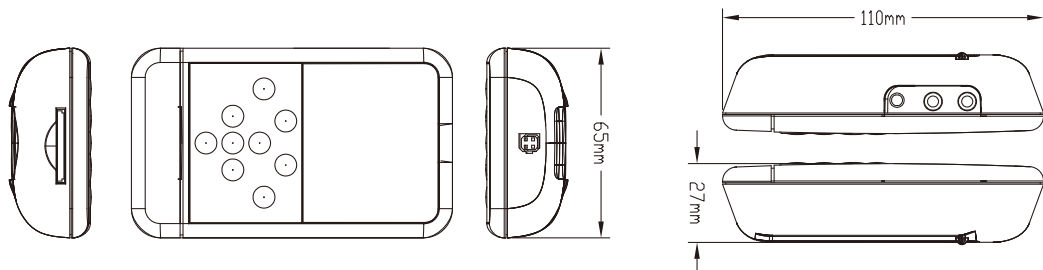
- 2.36" TFT LCD panel for instant view
- Recording mode: manual / schedule / motion detection / alarm
- Multi-language OSD Support
- Power Supply to Camera Module (DC12V & Max. 0.3A)



SPECIFICATIONS

Model No.		RYK-9118
Video System		NTSC / PAL Video System and Video Loss Auto Detection
Video / Audio Input		1 CH Video / Audio Line In
Video / Audio Output		1 CH Video / Audio Line Out
Storage Media		Secure Digital High Capacity card (SDHC max. 32GB)
Video Compression		H.264
File Format		AVI file
Resolution		704x480, 352x240 (NTSC) / 704x576, 352x288(PAL)
Frame Rate		30 (NTSC) / 25 (PAL)
Quality		High, Medium, Low
Record Mode		Manual, Schedule, Event (Motion detection / Alarm)
Motion Detection		22 X 15 (sensitivity 0 ~ 9)
LCD		2.36" Color TFT-LCD
Event	Sensor Input	1 (NO/NC programmable)
	Triggered Mode	Motion Detection, Video Loss, Sensor Input
	Action	Recording
	Pre-Alarm	1~5 seconds
	Post-Alarm	0~10 seconds
Search Mode		Time, Event
Playback Speed		Fast forward/backward 2X/4X/8X/16X/32X play/pause
Firmware Update		SD Card
Dimension		110mm(L) x 65mm(W) x 26mm (D)
Power Source		DC5V / 1A or Built-in 3.7V Li-polymer battery
Power Consumption		Max. 2.5W
Operating Environment		30%~90% RH, 5°C~50°C(41°F~104°F)

DIMENSIONS



RYK-9115

MPEG4 Alarm Clock Recorder

FEATURES

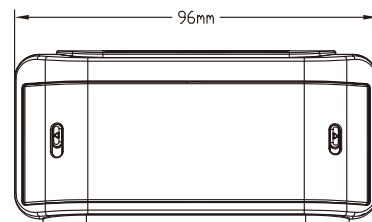
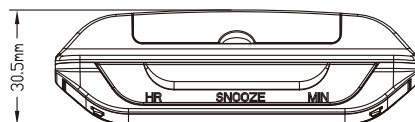
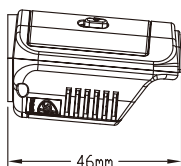
- The Recorder is built-in with MPEG4-SP video.
- It supports video recording and playback operation.
- Full Clock Functions.
- Video data are recorded directly on the SD card with FAT16/ 32 file (ASF file format).
- For 1 GB SD card, the record time is about 5 hours at Medium.
- Quality for 12 fps @ 640 x 480.
- Use anywhere, the device supports either DC power adaptor.



SPECIFICATIONS

Model No.		RYK-9115
Video	Codec	MPEG4-SP ASF File Format
	Record Frame Rate	1, 2, , Maximum fps Selectable ; Maximum: 30 fps@320x240 / 12 fps@640x480
	Record Quality	Low / Medium / High
	Output	1 CH Composite Video Line Out
	Format	NTSC or PAL (Software Control)
	Compression	MPEG4
Storage Media		SD Card (FAT16/ 32) MAX FILES: 16384 FILES
Record	Mode	Manual / Schedule (Motion Detection / Continue)
	Resolution	CIF, VGA
	Frame Rate	30 IPS, 12 IPS
	Quality	High, Medium, Low
Motion Detection Setting		Multiple Blocks and Adjustable Sensitivity
Event Search Function		Property and First Image of Selected File is Displayed
Playback Function		Play / Fast Forward / Fast Rewind / Pause / Step Forward / Step Backward
Playback Speed		1X / 2X / 4X / 8X / 16X / 32X
Multi-Language		Multi-Language
Clock	Display	Vacuum Fluorescent Display / Four 7-Segment Res LED Displays
	Alarm	12 Hour Clock Function (1 to 12 & PM 1 to 12) Alarm Time Setting / Alarm On-Off / Snooze
Power Supply		DC 12V
Dimensions		192 mm (L) x 56.5 mm (W) x 94 mm (H)
Operating Environment		30%~80% RH, 5°C~45°C(41°F~113°F)
Storage Environment		30%~90% RH, 0°C~50°C(32°F~112°F)

DIMENSIONS





IP Surveillance

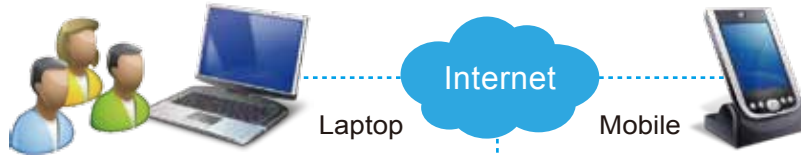
YOKO TECHNOLOGY CORP.



- Digital System Total Solution
- IP Camera
- DVS
- SecuCON Software
- SecuCon Mobile App



IP Surveillance System Total Solution



IP Camera



Analog Camera



DVS

SecuCON NVR



32 Channel



DVR



Analog Camera



VMS
128 Channel

Digital System

IP Camera

The IP Camera is the same security application with CCTV, but the installation is through network cable. It can provide the high resolution like HDTV 720P / 1080P image for customer, and the more and powerful network application.

DVS

The Digital Video Server (DVS) can keep the old CCTV Structure to change the CCTV to IP Device.

Analog System

Analog Camera

CCTV Camera is the "Closed Circuit Television." It only provide the D1 Resolution to monitor all security environment through coaxial cable.

DVR

Old Security structure keep the embedded Liunx DVR and CCTV.



IVA Box IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	H Series RYK-IP1H30	X Series RYK-IP3X02	X Series RYK-IP3X12
	H.264 MegaPixel & Full HD, IVA	H.264 Full HD, WDR, IVA	H.264 Full HD, WDR, IVA, MegaPixel CCD
Image Sensor	1/2" Progressive CMOS Sensor.	1/3" SONY Exmor Progressive CMOS Sensor.	1/3" SONY Exmor Progressive CCD Sensor.
Resolution	10.0 MegaPixel Resolution	2.0 MegaPixel Resolution	1.0 MegaPixel Resolution
Frame Rate	10.0 MegaPixel Up to 10FPS / 1080P Up to 30FPS	1080P Up to 30FPS	720P Up to 30FPS
Lens	C/CS Mount		
ICR	Built in IR-CUT Removable (ICR) Module		
Video	Composite Video BNC Out		
Audio	Built in Mic IN / LINE IN / LINE OUT		
DI/DO	1 x DI, 1 x DO		
RS485	Yes		
Other Application	IVA Application	WDR / IVA Application	WDR / IVA Application
Power	DC 12V / AC 24V / PoE		
Operating Condition	0°C~ 50°C		

Box IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	H Series RYK-IP3H02	8 Series RYK-IP3802	D Series RYK-IP3D02	C Series RYK-IP3C02
	H.264 HD Real Time	H.264 Full HD	H.264 Full HD, Low Lux, WDR	H.264
Image Sensor	1/4" Progressive CMOS Sensor.	1/2.7" Progressive CMOS Sensor.	1/2.8" SONY Exmor Progressive CMOS Sensor.	1/2.5" SONY Exmor Progressive CMOS Sensor.
Resolution	1.0 MegaPixel Resolution	2.0 MegaPixel Resolution	3.0 MegaPixel Resolution	5.0 MegaPixel Resolution
Frame Rate	720P Up to 30FPS	1080P Up to 30FPS	1080P Up to 30FPS	2594x1944 Up to 10FPS
Lens	C/CS Mount			
ICR	Built in IR-CUT Removable (ICR) Module			
Video	Composite Video BNC Out			
Audio	Built in Mic IN / LINE IN / LINE OUT			
DI/DO	1 x DI, 1 x DO			
RS485	Yes			
Other Application	-	-	WDR Application	-
Power	DC 12V / AC 24V / PoE			
Operating Condition	0°C~ 50°C			

Indoor Dome IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	8 Series	D Series
	RYK-IP4831/1 H.264 Full HD	RYK-IP4D31/1 H.264 Full HD, WDR
Image Sensor	1/2.7" Progressive CMOS Sensor.	1/3" SONY "Exmor" Progressive CMOS Sensor.
Resolution	2.0 MegaPixel Resolution	2.0 MegaPixel Resolution
Frame Rate	1080P Up to 30FPS	
Lens	C/CS Mount	
ICR	Built in IR-CUT Removable (ICR) Module	
Video	Composite Video BNC Out	
Audio	Built in Mic IN / LINE IN / LINE OUT	
DI/DO	1 x DI, 1 x DO	
RS485	Yes	
Other Application	-	WDR Application
Power	DC 12V / AC 24V / PoE	
Operating Condition	0°C~ 50°C	

Outdoor Dome IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	8 Series	D Series
	RYK-IP6831 H.264 Full HD	RYK-IP6D31 H.264 Full HD, WDR
Image Sensor	1/2.7" Progressive CMOS Sensor.	1/2.8" SONY "Exmor" Progressive CMOS Sensor.
Resolution	2.0 MegaPixel Resolution	3.0 MegaPixel Resolution
Frame Rate	Megapixel Vari-focal Lens, f=2.8~10mm, F=1.2	
Lens	Built in IR-CUT Removable (ICR) Module	
ICR	20M IR Distance	
Video	Composite Video BNC Out	
Audio	LINE IN / LINE OUT	
DI/DO	1 x DI, 1 x DO	
RS485	Yes	
Other Application	-	WDR Application
Power	DC 12V / PoE	
Operating Condition	-30°C~ 50°C (Built in Heater)	

IR IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	8 Series	D Series
	RYK-IP5831 H.264 Full HD	RYK-IP5D31 H.264 Full HD, WDR
Image Sensor	1/2.7" Progressive CMOS Sensor.	1/2.8" SONY "Exmor" Progressive CMOS Sensor.
Resolution	2.0 MegaPixel Resolution	3.0 MegaPixel Resolution
Frame Rate	1080P Up to 30FPS	
Lens	Megapixel Vari-focal Lens, f=3.6~16mm, F=1.2	
ICR	Built in IR-CUT Removable (ICR) Module	
IR	40M IR Distance (Adjustable)	
Video	Composite Video BNC Out	
Audio	LINE IN / LINE OUT	
DI/DO	1 x DI, 1 x DO	
RS485	Yes	
Other Application	-	WDR Application
Power	DC 12V / AC 24V / PoE	
Operating Condition	-30°C~ 50°C (Built in Heater)	

Cube IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flickers Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	H Series	H Series	8 Series	8 Series
	RYK-IP1H30 H.264 HD	RYK-IP1H00 H.264 HD	RYK-IP1831 H.264 Full HD	RYK-IP1800 H.264 Full HD
Image Sensor	1/4" Progressive CMOS Sensor.		1/2.7" Progressive CMOS Sensor.	
Resolution	1.0 MegaPixel Resolution		2.0 MegaPixel Resolution	
Frame Rate	720P Up to 30FPS		1080P Up to 30FPS	
Lens	Board Lens, f=4,3mm, F=1.8		Megapixel Board Lens, f=4,2mm, F=1.8	
ICR	-		Built in ICR Module	
IR	5M IR Distance Support	-	5M IR Distance Support	-
Audio	Built in Mic IN / LINE OUT			
DI/DO	1 x DI, 1 x DO			
RS485	Yes			
Other Application	Additional REC Button			
Power	DC 5V / PoE			
Operating Condition	0°C~ 50°C			

Speed Dome IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Preset and Tour Control
- Auto Tracking Control
- Auto Calibration
- Digital Noise Reduction
- 3D De-Interlace & 3D Privacy Mask
- Support AWB, AES, AGC and Flicker Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	B Series	M Series
	RYK-IP8B31	RYK-IP8M31
	H.264 D1 Real Time, CCD	H.264 Full HD
Image Sensor	1/4" Sony WD CCD Sensor.	1/2.8" SONY "Exmor" Progressive CMOS Sensor.
Resolution	D1 Resolution	3.0 MegaPixel Resolution
Frame Rate	D1 Real Time Up to 30FPS	1080P Up to 30FPS
Lens	36X Zoom Module (YOKO)	18X MegaPixel Zoom Module (YOKO)
ICR	Built in IR-CUT Removable (ICR) Module	
Pan/Tilt Range	360° Continuous Pan and 90° Tilt	
Video	Composite Video BNC Out	
Audio	MIC IN / LINE IN / LINE OUT	
DI/DO	1 x DI, 1 x DO	
RS485	Yes	
Power	DC 12V / AC 24V / PoE	
Operating Condition	-30°C~ 50°C (Built in Heater)	
Optional	802.11 b/g/n Wifi Module ; PoE Plus Module	

PTZ IP Camera

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- Preset and Tour Control
- Auto Tracking Control
- Auto Calibration
- Digital Noise Reduction
- Privacy Mask
- Support AWB, AES, AGC and Flicker Application
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Series	M Series
	RYK-IP2M31
	H.264 Full HD
Image Sensor	1/2.8" SONY "Exmor" Progressive CMOS Sensor.
Resolution	3.0 MegaPixel Resolution
Frame Rate	1080P Up to 30FPS
Lens	18X MegaPixel Zoom Module (YOKO)
ICR	Built in IR-CUT Removable (ICR) Module
Pan/Tilt Range	Motorized -173°~+173° Pan and -30°~+90° Tilt
Video	Composite Video BNC Out
Audio	Built in MIC IN / LINE IN / LINE OUT
DI/DO	1 x DI, 1 x DO
RS485	Yes
Power	DC 12V / PoE
Operating Condition	0°C~ 50°C
Optional	802.11 b/g/n Wifi Module ; PoE Plus Module

DVS

FEATURES

- Triple Streaming.
- H.264 & MPEG4 & M-JPEG Video Compression.
- 3D Digital Noise Reduction
- 3D De-Interlace
- Privacy Mask
- Support Multi-Event Application
- Support Majority Network Protocol
- Support Two Way Audio
- Support Micro SD Card application (Class 6)
- Multi-Browser View
- Mobile Application (Android / iOS (iPhone, iPad))
- ONVIF Standard



SPECIFICATIONS

Model No.	RHK-VS341	RHK-VS311
	H.264 4CH D1 Real Time	H.264 1CH D1 Real Time
Resolution	D1 Resolution	
Frame Rate	D1 Real Time Up to 30FPS	
Video	4CH Video Input / 1CH Video Output	1CH Video Input / 1CH Video Output
Audio	4CH LINE IN / 1CH LINE OUT	1CH LINE IN / 1CH LINE OUT
DI/DO	4 x DI, 1 x DO	1 x DI, 1 x DO
RS485	Yes	
Other Application	IVA Application	-
Power	DC 12V	DC 12V / PoE
Operating Condition	0°C~ 50°C	
Optional	802.11 b/g/n Wifi Module	
	3.5G HSDPA Modem	



SecuCON Software

SecuCON NVR V1.0

32CH Free Bundle PC Software

FEATURES

- Up to 32CH IP Devices
- Dual Monitor Application
- Dual Stream View Application
- Standard RTSP Streaming Support
- Support Remote Browser/Mobile View
- Software WatchDog

SecuCON VMS V1.0

128CH Free Bundle PC Software

FEATURES

- Up to 32CH IP Devices
- Dual Monitor Application
- Event Notification
- Standard RTSP Streaming Support
- Support Remote Browser/Mobile View (NVR/IPCAM/DVS)
- Software WatchDog



SPECIFICATIONS

Type	Window AP	
Model	SecuCON NVR	SecuCON CMS
GENERAL	Support OS Type: Windows 7, Vista, XP & Server 2003	
	Support OS Bit: 32Bit & 64 Bit	
	DataBase Design: SQL	
VIDEO	Video Compression: H.264, MPEG-4 & MJPEG	
	Image Snapshot: JPEG	
	Image Mirror & Rotation	
	Adjust the Brightness, Contrast, Saturation & Hue of Image	
AUDIO	PTZ Control	
	Audio Compression: G.711	
	Two Way Audio	
DISPLAY	Mute or Broadcasting Control	
	Max Channel of LiveView: 32	Max Channel of LiveView: 128
	Max Channel of Record: 32	
	Max Channel of Playback: 16	
	Layout Types: 1,4,7,8,9,10,13,16,25,32	
	Layout Control: Full Screen, Layout View and Single View	
	View Application: Dual Stream Connection	
RECORDING	SPOT by Channel or Layout Page	
	Drag & Drop the Channel	
	Recording Format: Media file	
	Recording Type: Manual, Schedule & Event	
REMOTE CONTROL	Recording Model: Cyclic & Space Alarm	
	Built-in the Web Server	
	PC Remote Access: Internet Explorer	
EVENT MANAGEMENT	Mobile Remote Access: Window Mobile & Android	
	Event Type: Manual & Schedule	
	Trigger Input: Motion, Digital Input, Video Lost, Rec. Error and Storage Error	
APPLICATION	Trigger Output: Record, Email, Log, Audio and Pop-up Video	
	E-Map	
	User Management	
	IP Devices Management	
	Multi-Languages Support (English and Traditional Chinese)	

MINIMUM SYSTEM REQUIREMENTS

Channels	16 ~ 32 channels	Above 32 channels
Reference	CIF / 512K bps	CIF / 512K bps
CPU	Core 2 Quad or Core i5	Core i7
Memory	2GB	4GB
VGA Card	512M Video RAM	1G Video RAM
Network Card	10/100/1000 Ethernet	10/100/1000 Ethernet

SecuCON Mobile APP

APP Software



FEATURES

- Display Layout Selection
- Support Two Way Audio
- Support Digital PTZ Control
- Support IPCamera / DVS / NVR AP
- Standard RTSP Streaming Support



SPECIFICATIONS

Type	SecuCON Mobile APP	
Model	iOS APP Software	Android APP Software
GENERAL	OS: iOS 4.0/4.1/4.2.1/4.3, 5.0 Device: iPhone / iPad	OS: Android 2.2/2.2.1, 2.3 Device: HTC / SAMSUNG
VIDEO	320 x 240 / 640 x 480 Resolution Adjust the Brightness, Contrast, Saturation & Hue of Image	
AUDIO	ADPCM Two Way Audio Mute or Broadcasting Control	
DISPLAY	Layout Types: 1 and 4 Layout Control: Layout View and Single View Bookmark Management	
MANUAL CONTROL	Snapshot Image Turn on Trigger ALARM PTZ Touch Control PTZ Auto Tracking Setting PTZ Preset Point Setting	
EVENT MANAGEMENT	Event List Playback File from Event Backup file from Event	



Vehicle Recorder & GPS Tracker

YOKO TECHNOLOGY CORP.



- Full HD Vehicle Recorder
- Night Vision Vehicle Recorder
- Dual Lens Vehicle Recorder
- GPS Tracker

Full HD Vehicle Recorder



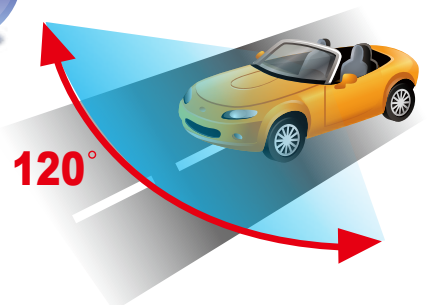
Vehicle Recorder

- ➔ FHD 1080P Resolution Real-time Recording
- ➔ High-Speed WVGA Recording (60FPS)
- ➔ 120 Degree Wide View Range
- ➔ Convenient Snapshot Function
- ➔ HDMI
- ➔ Important File Saving Function
- ➔ Fast Boot Speed

Full HD 1080P High-Resolution Video Format



View Angle 120° Wide Recording Range



HDMI High-Definition Video Interface



H.264 Most Effective Compression Format



RYK-9123

Full HD Vehicle Recorder

FEATURES

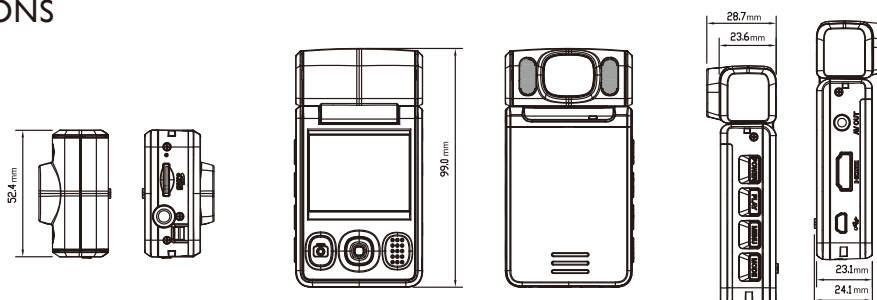
- Full HD 1080P resolution real-time recording
- 2.0" TFT LCD panel for instant view
- 5Mega pixels CMOS sensor
- Built-in 4x digital zoom (applied for all resolution modes except 1080P)
- H.264 video compression technology
- 120 degree wide view range
- Convenient snapshot function
- Built-in microphone and speaker
- High capacity of 32GB MicroSD card
- HDMI interface for connecting HD TV
- Fast screen switching function
- Quick start recording immediately while vehicle power is turned on



SPECIFICATIONS

Model No.	RYK-9123		
Sensor	5Mega Pixels CMOS		
View Angle	120°		
Adjustable Lens	Vertical Adjustable Lens		
Focus Distance	5~7m		
Monitor	2.0" TFT LCD		
Video Output Interface	HDMI · CVBS Output		
HDMI	Output * 1 port		
Recording Performance	FHD 1080P@30FPS	HD 720P@30FPS	WVGA 848x480@60FPS
Video Output	1080i / 720P Output Mode		
Snapshot Resolution	3200x2400 JPG 8M (max.)	2592x1944 JPG 5M	2048x1536 JPG 3M
Recording File Format	MOV		
Compression	Video (H.264), Audio (G.726)		
Digital Zoom	4X for 720P · fix for 1080P		
Built-in Memory	NAND Flash 64MB		
Storage	MicroSD Card(max. 32GB)		
Recording Time Settings	5 / 10 (min)		
Boot Speed	1-2 (sec)		
Time Display & Memory	Yes		
Shutter Time	None / 5 / 10 (sec)		
LED Lighting	White-light LED (auxiliary light for snapshot)		
Exposure Compensation (+/- EV)	-2.0 / -1.5 / -1.0 / -0.5 ±0 / +0.5 / +1.0 / +1.5 / +2.0 EV		
Night Mode (On/Off/Auto)	Reduce frame rate to 15FPS for increasing 6dB sensitivity		
Power Display	Yes		
Playback Mode	Yes		
Playback Time Display	Yes		
Automatic Lock	Yes		
File Name Display	Yes		
Audio	Built-in Microphone / Speaker(mono)		
Shutter	1/2s~1/1000s		
White Balance	Auto / Sunny / Cloudy / Tungsten / Fluorescent		
Connector	USB 2.0 / HDMI / CVBS		
Battery	Built-in Lithium High Capacity Battery, 3.7V 1050mAh		
USB	USB 2.0 High-speed transmission		
Dimension	52.4mm (W) x99.0mm (H) x23.6mm (D) *28.7mm(D) with lens		
Weight	95±1(g), Battery included		
Operating Humidity	0% RH ~ 80% RH		
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F) with Li-Bat. / -10°C ~ 60°C (14°F ~ 140°F) w/o Li-Bat.		
Tripod Mount	1/4" Standard		
Language	Multi-language		

DIMENSIONS



RYK-9125

Night Vision Vehicle Recorder



FEATURES

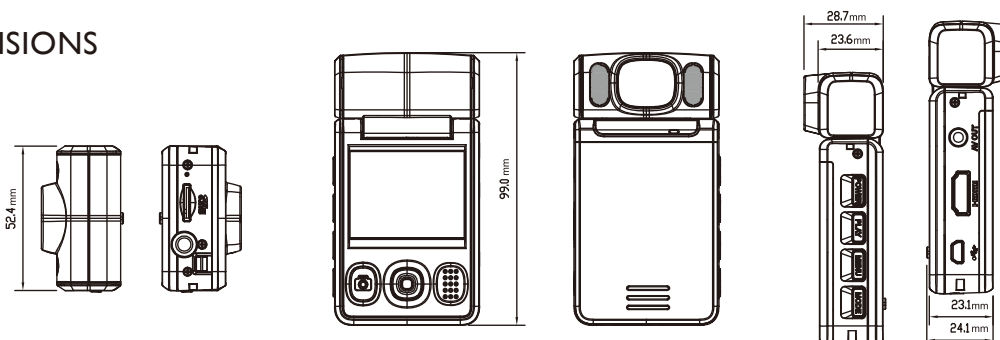
- Full HD 1080P resolution real-time recording
- 2.0" TFT LCD panel for instant view
- Sony 3Mega pixels CMOS sensor
- Significantly designed for low light environment
- H.264 video compression technology
- 120 degree wide view range
- Convenient snapshot function
- Built-in microphone and speaker
- High capacity of 32GB MicroSD card
- Wide Dynamic Range (WDR) function
- Fast screen switching function
- Quick start recording immediately while vehicle power is turned on



SPECIFICATIONS

Model No.	RYK-9125
Sensor	Sony 3Mega Pixels CMOS (for low light environment)
View Angle	120°
Adjustable Lens	Vertical Adjustable Lens
Focus Distance	5~7m
Monitor	2.0" TFT LCD
Video Output Interface	CVBS Output *1 port
Recording Performance	FHD 1080P@30FPS HD 720P@30FPS WVGA 800x480@60FPS
Snapshot Resolution	1920x1080 / 1280x720 / 800x 480 JPG
Recording File Format	AVI
Compression	Video (H.264), Audio (G.711)
Built-in Memory	NAND Flash 128MB
Storage	MicroSD Card (max. 32GB)
Recording Time Settings	5 / 10 (min)
Time Display & Memory	Yes
Shutter Time	None / 5 / 10 (sec)
LED Lighting	White-light LED (auxiliary light for snapshot)
Exposure Compensation (+/- EV)	-2.0 / -1.5 / -1.0 / -0.5 ±0 / +0.5 / +1.0 / +1.5 / +2.0 EV
Power Display	Yes
Playback Mode	Yes
Playback Time Display	Yes
Automatic Lock	Yes
File Name Display	Yes
Audio	Built-in Microphone / Speaker(mono)
Shutter	Auto (1/25s~1/10000s)
White Balance	Auto / Sunny / Cloudy / Tungsten / Fluorescent
Connector	USB 2.0 / CVBS
Battery	Li-ion High Capacity Battery, 3.7V 1050mAh
USB	USB 2.0 High-speed transmission
Dimension	52.4mm (W) x99.0mm (H) x23.6mm (D) *28.7mm(D) with lens
Weight	73±1(g), Battery not included
Operating Humidity	20% RH ~ 80% RH
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Tripod Mount	1/4" Standard
Language	Multi-language

DIMENSIONS

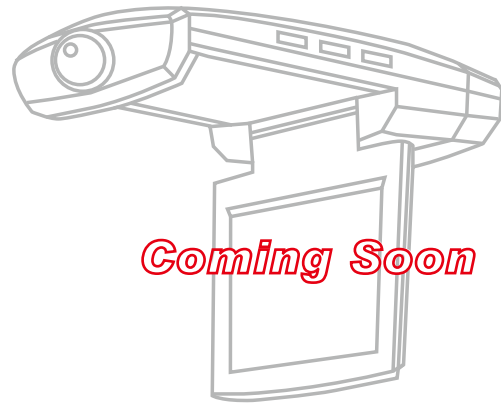


RYK-9126

Dual Lens Vehicle Recorder

FEATURES

- Full HD 1080P resolution real-time recording
- Dual Lens integrated on one machine
- 2.4" TFT LCD panel for instant view
- 3Mega pixels 1/3" CMOS sensor
- Excellent performance at low light environment
- H.264 video compression technology
- Wide view range for front lens and back lens
- Convenient snapshot function
- Built-in microphone and speaker
- High capacity of 32GB MicroSD card
- Support G-sensor and GPS
- PC site off-line video player with Google map
- Quick start recording immediately while vehicle power is turned on



SPECIFICATIONS

Model No.	RYK-9126
Sensor	3Mega Pixels 1/3"CMOS
Lens	Front Lens: 1080P, Back Lens: 1080P
View Angle	Front lens: 120°, Back lens: 120°
Focus Distance	5~7m
Monitor	2.4" TFT LCD
Video Output Interface	HDMI \ CVBS Output
HDMI	Output * 1 Port
Recording Performance	1920x 1080, 1280 x 720, 720 x 480 (@30FPS)
Snapshot Resolution	1280 x 960 JPG
Recording File Format	MOV
Compression	Video (H.264), Audio (G.711)
Built-in Memory	NAND Flash 64MB
Storage	MicroSD Card(max. 32GB)
Recording Time Settings	5 / 10 (min)
Boot Speed	1.5~2 (sec)
Time Display & Memory	Yes
Shutter Time	None / 5 / 10 (sec)
LED Lighting	White-light LED (auxiliary light for snapshot)
Exposure Compensation (+/- EV)	-2.0 / -1.5 / -1.0 / -0.5 ±0 / +0.5 / +1.0 / +1.5 / +2.0 EV
Night Mode (On / Off)	Yes
Power Display	Yes
Playback Mode	Yes
Playback Time Display	Yes
Automatic Lock	Yes
File Name Display	Yes
Video Protection	Yes
G-Sensor	Yes
GPS Module	Yes
Audio	Built-in Microphone and Speaker (mono)
Shutter	1/2s~1/1000s
White Balance	Auto / Sunny / Cloudy / Tungsten / Fluorescent
Connector	USB 2.0 / HDMI / CVBS
Battery	Li-ion High Capacity Battery, 3.7V 1050mAh
USB	USB 2.0 High-speed transmission
Off-line Video Player	Window-based Google Map (Internet)
Tripod Mount	1/4" Standard
Language	Multi-Language

DIMENSIONS

Coming Soon

TD300 Mini GPS Tracker

Assisted Global Positioning System

Securing, Monitoring & Tracking!



APPLICATIONS

Company

- Staff management: any field personnel
- Goods transportation: cargo Tracking
- Vehicle: taxi, bus, delivery car...etc.

Personal

- Important person: elders and kids security
- The pets security: dogs, other animals...
- Outdoor activity: hiking, skiing, biking...

Valuables

- Expensive things: valuable assets, medical supplies, LED TV
- Equipment: excavator, tiller, other heavy machine
- Art goods: painting, statue, works...



TOTAL SOLUTION

HARDWARE

GSM / GPRS / GPS Communication GSM GPRS GPS	Quad-Band GSM 850 MHz 900 MHz 1800 MHz 1900 MHz Worldwide	Mini Design Mini size & light
Power Saving Normal Sleep Mode	AGPS GPS : 2-3 min. AGPS : 30 Sec.	Alert Features Low Battery SOS Abnormal movement (Anti-Theft)

SOFTWARE

Remote monitoring Computer Web Page Phone	Device Management Map Device Street image
Server Back-up Internet Servers	Alert Response Call out Send Message Send Information

TD300

Mini GPS Tracker

FEATURES

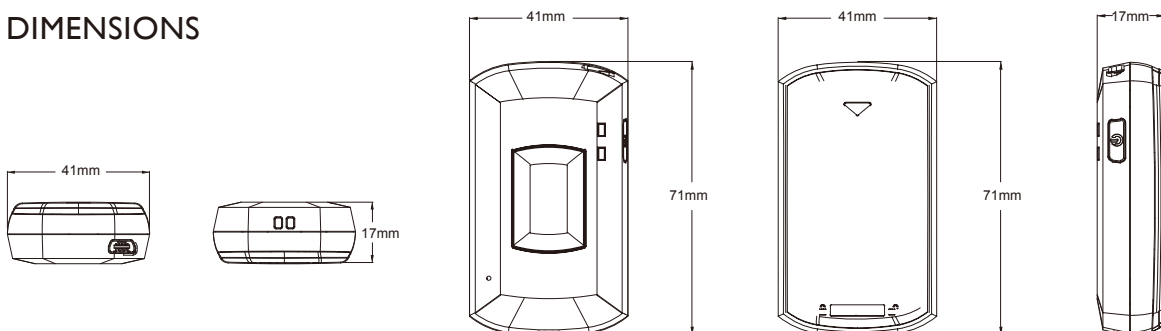
- Total Solution including Web-base Tracking Software : www.anytra.com
- GSM/SMS/GPRS communication.
- Quad-band GSM (850/900/1800/1900MHz) and GPRS class10.
- Support AGPS function.
- SOS button for immediate rescue/action & located exact location.
- Low Battery alert.
- Abnormal movement (anti-theft) alert.
- Accessories:
 - (1) Rechargeable Li-ION Battery and AC adaptor
(USA, EU or UK types are available, others are upon request).
 - (2) Rechargeable Li-ION Battery and External Power Cable to Car Battery.



SPECIFICATIONS

Model No.	TD300
GSM Frequency	GSM 850 / 900 / 1800 / 1900 system
GPS Channels	50-channel acquisition , 14-channel tracking
GPS Start Time	Hot Start : 1 sec, Warm Start : 32 sec, Cold Start : 32 sec
Position Accuracy	Position 2.5m CEP
Default Datum	WGS84
Battery Life	(1) Stand by : More than 3 days (Typical 90 hrs) (2) Sleep : Typical 30 days (3) Real time tracking : Typical 8 hrs (Report once every 30 seconds)
LED	(1) GSM / Power Charging status (2) GPS status
Button	Power and SOS
USB Port	Mini USB port for charging
Operating Temperature	-20°C ~ 55°C
Humidity	5%~95% Non-condensing
Dimension	71 x 41 x 17mm
Charging	DC 5V
Certificate	CE, FCC, PTCRB and NCC

DIMENSIONS





Wireless Surveillance System with Solar Powered

YOKO TECHNOLOGY CORP.

- Wireless TDD Bridge
(Long Distance Transmission)
- Wifi Outdoor Bridge
(Short Distance Transmission)
- Wireless Surveillance System
with Solar Powered
- Standard Accessories
- Order Information



RYK-WD5201, WD2201

5GHz, 2.4 GHz TDD Bridge

FEATURES

- Wireless TDMA: TDD Mode
- Antenna Alignment LED
- Built-in 23 dBi Antenna (RYK-WD5201)
Built in 19 dBi Antenna (RYK-WD2201)
- Powered by 802.3af PoE
- Data Security: Advanced Encryption Standard
- Waterproof Enclosure: IP67 Standard
- Transmit Power Control
- Easy of Installation: Real-time link test for local and remote RSSI

LONG DISTANCE
Transmission

Up to 50KM



RYK-WD5202, WD2202

5GHz, 2.4GHz P2MP TDD Bridge

FEATURES

- Wireless TDMA: TDD Mode
- Antenna Alignment LED
- Powered by 802.3af PoE
- Data Security: Advanced Encryption Standard
- Waterproof Enclosure: IP67 Standard
- Transmit Power Control
- Easy of Installation: Real-time link test for local and remote RSSI



SPECIFICATIONS

Model No.		RYK-WD5201	RYK-WD2201	RYK-WD5202	RYK-WD2202
INFORMATION	Description	5GHz TDD Bridge	2.4GHz TDD Bridge	5GHz P2MP TDD Bridge	2.4GHz P2MP TDD Bridge
	Frequency (MHz)	5,120-6,060	2,412-2,472	5,120-6,060	2,412-2,472
	Antenna (dBi)	23	19	N Jack	N Jack
	Output Power (dBm)	25	23	25	23
	Sensitivity (dBm)	-90	-92	-90	-92
	Dimension (mm)	335 x 335 x 81	335 x 335 x 81	259 x 250 x 75	259 x 250 x 75
	Weight (Kg)	2.9	2.9	1.8	1.8
SYSTEM SPEC.	Operating Mode	Bridge (PTP)		Bridge (P2MP / PTP)	
	Link Test Tool	Yes (Real Time Local and Remote RSSI)			
	Radio Bandwidth	5 / 10 / 20 / 40 Mbps			
	TDMA	Yes			
	Channel Selection	Yes			
	DFS/TPC	Yes			
	Auto Channel	Yes			
	Spanning Tree (STP)	Yes			
	VLAN :	Yes (802.1Q)			
	NetBIOS Name	Yes			
	Space In Meters	Yes (Auto)			
	Throughput Monitor	Real-time			
	NTP Client	Yes			
	CLI	Yes (SSH)			
	Backup / Restore	Yes			
System Log	Yes				
Remote Log Server	Yes				
HARDWARE	Memory	16MB Flash + 32MB SDRAM			
	LAN	1 x 10/100BaseT RJ-45 with Auto-MDIX			
	Power Over Ethernet (PoE)	Yes (802.3af)			
	Default Button	Yes			
	Enclosure	Metal Case, IP 67 Verified			
	Lighting Protect	From Ethernet			
	Operating Temperature	-30°C~80°C			
	Operating Humidity	10~95% RH			
	Power Consumption	5.4W	6.4W	5.8W	6.4W
	Web Base Management	Yes			
MANAGEMENT	SNMP V.2	Private MIB, 802.11 MIB			
	SECURITY	Advanced Encryption Standard			

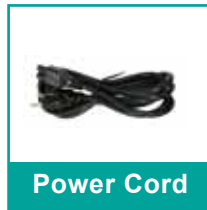
STANDARD ACCESSORIES



Product CD



POE Injector



Power Cord



Waterproof Joint



Ground Wire



Mounting Kit



Mounting Guide

INFORMATION



RYK-WD5201



RYK-WD5401



RYK-WA5701

Model No.	Description	Frequency (MHz)	Antenna (dBi)	Output Power (dBm)	Sensitivity (dBm)	Dimension (mm)	Weight (Kg)
RYK-WD5201	5GHz TDD Bridge	5,120-6,060	23	25	-90	335 x 335 x 81	2.9
RYK-WD5401	5GHz Repeater	5,120-6,060	23 + N Jack	25	-90	335 x 335 x 81	3.1
RYK-WA5701	5GHz Repeater Antenna	4,900-6,000	23 / N Jack	NA	NA	323 x 323 x 12	1.3



RYK-WD2201



RYK-WD2401



RYK-WA2701

Model No.	Description	Frequency (MHz)	Antenna (dBi)	Output Power (dBm)	Sensitivity (dBm)	Dimension (mm)	Weight (Kg)
RYK-WD2201	2.4GHz TDD Bridge	2,412-2,472	19	23	-92	335 x 335 x 81	2.9
RYK-WD2401	2.4GHz Repeater	2,412-2,472	19 + N Jack	23	-92	335 x 335 x 81	3.1
RYK-WA2701	2.4GHz Repeater Antenna	2,400-2,500	19 / N Jack	NA	NA	330 x 295 x 35	1.3



RYK-WD5202



RYK-WA5601

Model No.	Description	Frequency (MHz)	Antenna (dBi)	Output Power (dBm)	Sensitivity (dBm)	Dimension (mm)	Weight (Kg)
RYK-WD5202	5GHz P2MP TDD Bridge	5,120-6,060	N Jack	25	-90	259 x 250 x 75	1.8
RYK-WA5601	5GHz P2MP Sector Antenna	5,150-5,875	17 / N Jack	NA	NA	620 x 88 x 70	0.6



RYK-WD2202



RYK-WA2601

Model No.	Description	Frequency (MHz)	Antenna (dBi)	Output Power (dBm)	Sensitivity (dBm)	Dimension (mm)	Weight (Kg)
RYK-WD2202	2.4GHz P2MP TDD Bridge	2,412-2,472	N Jack	23	-92	259 x 250 x 75	1.8
RYK-WA2601	2.4GHz P2MP Sector Antenna	2,400-2,500	12 / N Jack	NA	NA	620 x 88 x 70	0.6

Solar System Kit

Off-Grid Solar Power System

780W, 12VDC, 450Ah & 260W, 12VDC, 120Ah

The Alternative Solution to Trenching and Laying Conduct Where AC Power is not available.

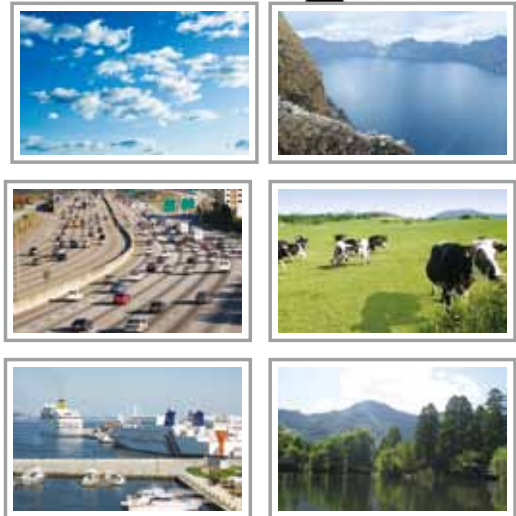
The Off-grid Solar Power System is a complete, integrated power supply designed for loads requiring reliable 12 VDC (24VDC and 48VDC also available). Each system contains the components necessary for safe and reliable power generation without the need and expense of installing a utility hook-up. This system is shipped pre-wired and pre-assembled and installation is as simple as mounting and connecting two wires.

FEATURES

- Pre-sized for most common 12VDC wireless and surveillance applications
- Cost effective alternative to trenching and laying conduct where AC power is not available
- Designed to provide reliable power with 3 to 7 days autonomy
- Deployment with flexibility and simplicity
- Rugged enclosure design for harsh environments
- Systems are pre-wired and pre-assembled

APPLICATIONS

Seaport, Forest, Highway, Weather, Reservoir, Pasture, Oil Field, Volcano-Fire Monitoring and Prevention (Displayed with pictures)



SPECIFICATIONS

Table	12V DC Solar Power Systems	
Solar System Kit Description	260 Watt	780 Watt
Total Loads	DC12V/2A	
Design Autonomy	3 Cloudy Days	7 Cloudy Days
Fully Charged Time	10 Hours	10 Hours
Solar Panel	130W, Qty2	130W, Qty6
Gel Battery	12V/120Ah, Qty1	12V/150Ah, Qty3
Charge Controller	12V/20A, Qty1	12V/60A, Qty1
Power Panel Box	DC Box, Qty1	DC Box, Qty1 & AC Box, Qty1
Rack	Pole Type, Qty1	Flat Type, Qty1

* For more information on Solar PV solutions, or to size a custom system for your applications, please contact with YOKO.



Accessory

YOKO TECHNOLOGY CORP.



- CCTV Lens
- Mount
- Housing
- Bracket
- HD SDI Converter / Repeater
- Video Transceiver / Receiver
- Controller / Keyboard
- Other

CCTV Lens (1/3" CS Mount)



RYK-L3620A

Focal Length:3.6mm
Aperture:F2.0
Angle of View:Hor. 72°
Remark:Fixed Iris

RYK-L4320A

Focal Length:4.3mm
Aperture:F2.0
Angle of View:Hor. 60°
Remark:Fixed Iris

RYK-L0620A

Focal Length:6mm
Aperture:F2.0
Angle of View:Hor. 43°
Remark:Fixed Iris

RYK-L1220A

Focal Length:12mm
Aperture:F2.0
Angle of View:Hor. 22°
Remark:Fixed Iris

Monitor



RYK-8111

RYK-8110

Color 10" Monitor
NTSC/PAL Auto-switch
With Y/C RGB H+V
Composite video input

RYK-8111

Color 14" Monitor
NTSC/PAL Auto-switch
With Y/C RGB H+V
Composite video input
(Hi-Res.)

RYK-8112

Color 20" Monitor
NTSC/PAL Auto-switch
With Y/C RGB H+V
Composite video input

Accessories for option



RYK-8728

Wall Mount



RYK-8729

Pendant Mount



RYK-8730

Corner Mount



RYK-8734/1

Pole Mount



Dome Cover

Controller & Control Keyboard



RYK-8340

Wire Remote Controller



RYK-8330

Data Speed : 2400bps, 4800bps, 9600bps
Pan/Tilt Control : Auto/Manual/Swing/Group/Pattern
Compatible Camera : Speed Dome, Zoom Camera with PELCO Protocol
Camera Control : OSD Menu, Zoom Lens, Auto Iris,
Preset Position 80(1-32, 35-82)
Power Supply : DC12 10%±10%
Power Consumption : 100mA max.
Operating Temp. : -10°C ~ 50°C
Dimensions : 296 x 190 x 53mm

Housing



RYK-8505

Outdoor Housing 370x142x115mm

RYK-8505HF

RYK-8505 W/Heater+Fan

Bracket



RYK-8708

Bracket for Housing
285mm (Ivory)



RYK-8701

Bracket 165mm (Ivory)



RYK-8704-2

Extender 10 cm for
RYK-8704 (Black or Ivory)



RYK-8704-4

Bracket 115mm (Ivory)



RYK-8704

Bracket 115mm (Black)



RYK-8704-3

L Type Extender 10 cm
for RYK-8704 (Black or Ivory)



RYK-8719-3

L Type Bracket for Dome Camera

HD SDI Converter / Repeater



RYK-8H02 (SDI to HDMI Converter)

Input : 1 x HD-SDI: BNC
 Output : 1 x HDMI
 Video Resolution : 1080p/30fps, 1080p/25fps, 1080i/60fps, 1080i/50fps,
 720p/60fps, 720p/50fps, 720p/30fps, 720p/25fps
 Power : DC 12V, Max. 6W
 Dimensions (HxWxD) : 82.8 x 25.2 x 79.5mm
 Weight : 199g
 Operation Temperature : 0~40°C

RYK-8H04 (SDI Repeater)

Input : 1 x HD-SDI: BNC
 Output : 2 x HD-SDI: BNC
 Video Bandwidth : 1.5Gbps
 Video Resolution : 1080p/30fps, 1080p/25fps, 1080i/60fps, 1080i/50fps,
 720p/60fps, 720p/50fps, 720p/30fps, 720p/25fps
 Power : DC 12V, Max. 6W
 Dimensions (HxWxD) : 82.8 x 25.2 x 79.5mm
 Weight : 217g
 Operation Temperature : 0~40°C

Video Transceiver / Receiver



RYK-8334T

RYK-8334R

RYK-8335 (UTP Passive Transceiver / Receiver)

Video Transceiver : 1 port
 Transmission Distance : Max. 10000 FT / 750 FT(When used with DVR)
 Power In : None required
 Video In / Out : BNC male connector
 Video Format: RS 170, NTSC, PAL, CCIR or SECAM
 Operation Frequency Range : No required
 Twisted Pair Connector : 2 pin connector
 Common Mode Rejection : 70dB
 Wire Type : UTP Category 2, 3, 4, 5, 5e or 6; 12~24 AWG or Heavier
 Dimensions (WxHxD) : 45.9 x 30.8 x 25.4mm

RYK-8334T (UTP Active Transceiver Module) RYK-8334R (UTP Active Receiver Module)

Video Transceiver : 1 port
 Transmission Distance : Max. 12000 FT(B/W) / 9000 FT(Color)
 Power In : DC 12~24V or AC
 Video In / Out : BNC male connector
 Video Format: RS 170, NTSC, PAL, CCIR or SECAM
 Operation Frequency Range : DC to 10 MHz
 Twisted Pair Connector : 2 pin connector
 Common Mode Rejection : 70dB
 Wire Type : UTP Category 2, 3, 4, 5, 5e or 6; 12~24 AWG or Heavier
 Dimensions (WxHxD) : 107.6 x 62.3 x 31.2mm

Other Accessories

R190001
 Board Lens 2.5mm / F2.0



R190002
 Board Lens 3.6mm / F2.0



R190003
 Board Lens 4.3mm / F2.0



R190004
 Board Lens 6.0mm / F2.0



R190006
 Board Lens 12mm / F2.5



R190051
 Board Lens 3.7mm / F3.5



R140000
 CS Mount



R413017
 DC+BNC+RCA
 Connector Cable 25cm



R106064-2
R106331
 Mount for Board Lens



R106006-1
 Mount for Pinhole Lens



R420401-1
 Audio Iris Pin (Male)



RYK-8312
 Audio Board

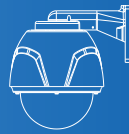
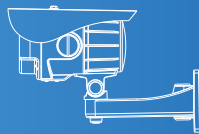


Type	Model No.	Measurement				N.W.	G.W.
		PCS	CTN	Cm	Cuft	Kg	Kg
Box Camera	RYK-H221, S501, S601	20	1	49x43x22	1.64	15	16
	RYK-CA63D, CA93, CA67, CA97	50	1	34x32x34	1.33	13	14
	RYK-268F, 468F	50	1	34x32x34	1.31	13	14
	RYK-273F, 275F	50	1	34x32x34	1.31	12	13
Speed Dome Camera	RYK-H233, H234, S633/1, S634/1, S613/1, S614/1, 2E10/1(A&B), 2E14/1(A&B)	2	1	54x42x34	2.21	12	12
	RYK-H235, S635, S615, 2E10, 2E14	2	1	51x35x35	2.21	9	10
	RYK-H231, H371, H631, H611, AF201, AF211, AF212, AF313	56	1	47x33x34	1.31	14	15
Auto Focus Zoom Camera	RYK-S612, S632, AF201A, AF211A, AF212A, AF313A	20	1	49x43x32	1.31	17	18
	RYK-H224, S604, S504, 2W97, 2W93, 2W79, 2W49	12	1	51x28x49	2.47	13	14
IR Camera	RYK-2B97L2/1, 2B7L2/19, 2B49L2/1	20	1	49x43x22	1.64	10	11
	RYK-2Q49L3/5, 2Q79L3/5, 2Q92L3/5	20	1	42x26x44	-	8	9
	RYK-H222, H222/1, S602, S502	12	1	64x44x27	1.86	12	13
Dome Camera	RYK-H223, S603, S503, 2H97L/5, 2H93L/5, 2H79L/5, 2H49L/5	12	1	61x44x27	2.56	13	14
	RYK-2G97/7, 2G93/7, 2G97L/2, 2G79L/2, 2G49L/2	30	1	39x26x54	2.21	9	10
	RYK-2Y97L2/3, 2Y49L2/3, 2Y79L2/3	48	1	51x28x49	-	17	18
	RYK-2449(VT&VF), 2485(VT&VF), 2479 (VT&VF)	30	1	39x26x54	1.93	11	12
	RYK-2J49, 2J79, 2J97	30	1	39x26x54	1.93	21	22
	RYK-2311, 2349, 2379, 2397	63	1	51x35x35	2.21	13	14
	RYK-2739	50	1	41x19x45	1.33	15	16
Hidden Camera	RYK-2849, 2879	50	1	44x19x45	1.33	6	7
	RYK-2512(S), 2592(S), 2597(S)	20	1	42x26x44	1.7	6	7
	RYK-2611, 2692, 2697	30	1	39x26x54	1.93	7	8
	RYK-H225, H365, S605, S505, 2092, 2093, 2096, 2097	100	1	30x29x21	1.19	2	3
Board Camera	RYK-2082, 2079, 2083, 2049	100	1	30x29x21	1.19	2	3
	RYK-9244, 9246, 9248	3	1	55x44x48	2.12	14	15
DVR	RYK-9240	5	1	39x34x30	1.4	11	12
	RYK-9106, 9116	150	1	32x33x33	-	-	-
PSR	RYK-9122, 9114	20	1	49x43x22	1.57	12	13
	RYK-IP3S02, IP3X02	12	1	42.4x25.2x43.6	1.65	9	10
IP Camera	RYK-IP3D02, IP3802, 3H02	36	1	57x54.9x40.3	4.46	25.2	26.2
	RYK-IP8B31, IP8M31	2	1	54x42x34	2.21	12	12
	RYK-IP6D31, IP6831	12	1	61x44x27	2.56	13	14
	RYK-IP4D31, IP4831	12	1	50.5x37x42.5	2.81	10.2	11.2
	RYK-IP5D31, IP5831	12	1	51x28x49	2.47	13	14
	RYK-IP1831, IP1H30	18	1	46.7x24.9x33.6	1.38	9	10
	RYK-VS341	10	1	51.5x33.3x34.5	2.09	11.5	12.5
DVS	RYK-VS311	12	1	42.4x25.2x43.6	1.65	6.6	7.6
	RYK-8334T, 8334R	20	1	49x43x22	1.64	13	14
Accessory	RYK-8335	60	1	34x32x34	1.31	7	8
	RYK-L2520	400	1	42x26x44	1.70	18	19
	RYK-L3620A, L4320A, L0620A, L0820A, L1220A	400	1	42x26x44	1.70	12	13
	RYK-8110	1	1	36x39x24	1.19	9	10
	RYK-8111	1	1	36x37x34	1.60	16	17
	RYK-8112	1	1	59x56x52	6.07	24	25
	RYK-8701	50	1	41x44x35	2.23	8	9
	RYK-8704, 8704-4	100	1	38x20x29	0.78	8	9
	RYK-8708	20	1	49x44x32	2.44	11	12
	RYK-8719-3	24	1	52x41x50	3.76	16	17
	RYK-8505, 8505HF	12	1	45x43x49	3.35	20	21
	R190001, R190002, R190003, R190004	1000	1	23x28x27	0.61	5	6
	R190006, R190051	1000	1	23x28x27	0.61	5	6
	R413017	500	1	47x32x26	1.91	14	15

***Design and specification are subject to change without notice.



FOR YOUR SECURITY



YOKO TECHNOLOGY CORP.

No.199, Lide St., Jhonghe City, Taipei County 235, Taiwan R.O.C.

Tel : 886-2-8228-6161 Fax : 886-2-8228-6880

Service E-mail : yoko@yoko-tech.com

Website : [http : //www.yoko-tech.com](http://www.yoko-tech.com)

Legal Considerations

Camera Surveillance can be restricted by laws that vary from country to country.
Check the laws in your local region before using this product for surveillance purposes.

