

VIVOTEK PRODUCT BROCHURE

Network Cameras | Video Servers | Video Receiver | Network Video Recorder | Central Management Software

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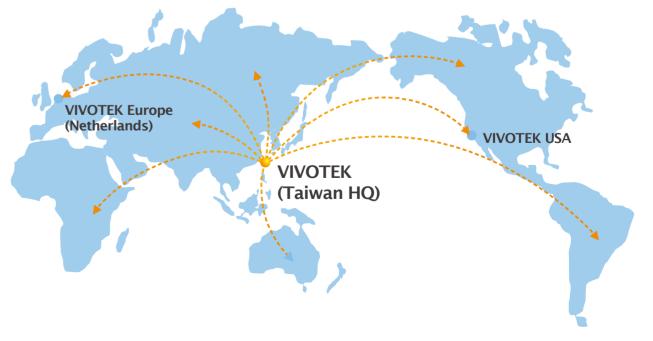


About VIVOTEK

VIVOTEK INC. (TAIEX: 3454), established in Taiwan in 2000, has quickly grown into a prestigious leading brand in the security industry. Known for delivering world-class IP surveillance solutions, VIVOTEK's products are future-proof and highly reliable, facilitating the transition from traditional CCTV to wholly digital IP surveillance. Its comprehensive product lineup includes network cameras, video servers, NVR, and central management software.

Through more than 150 authorized distributors in over 80 countries, a broad array of the products are successfully deployed by security dealers, telecoms and system integrators for a variety of applications and projects such as banking, city surveillance, hotel, transportation, retail, and more.

Extensive Distribution Channels



VIVOTEK at a Glance





Environmental Commitment



With the increasing environmental challenges of our time, VIVOTEK is deeply aware of the importance of coexisting with the environment for sustainable development. VIVOTEK has implemented a comprehensive, eco-friendly manufacturing policy applied to the product design, component selection, production, quality testing, packaging and shipping processes, effectively minimizing our carbon footprint on the environment. Together, we can be responsible stewards of a vibrant and sustainable future.

VIVOTEK's quality certificates



VIVOTEK's green design guidelines

- Eliminating the use of hazardous substances (HSF)
- · Easy disassembly and recycling (WEEE)
- Eco-design (EuP)



RoHS Since 2006



IECQ HSPM QC 080000 Since 2008



| Form Factor | | Box Cameras | | | Box Cameras |
|----------------------------|---|---------------------------------------|--|---|--|
| Video Resolution | 1.3 Me | gapixel | 2 Megapixel | 2 Me | gapixel |
| | SUPRETINE | SNV WDR Coming Soon | o Dice | SUPREME | Comin |
| Model Name | IP8151/51P | IP8155HP | IP8161 | IP8162/62P | IP8165HP |
| Summary | 1.3MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist | 1.3MP, 30fps, H.264/MJPEG, WDR Pro II | 2MP, 15fps, H.264/MJPEG/MPEG-4 | 2MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist | 2MP, 30fps, H.264/MJPEG, WDR Pro II, P- |
| Sensor Type | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/3.2" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.8" Progressive CMOS |
| Lens Type | Vari-focal | Vari-focal | Vari-focal | Vari-focal | Vari-focal |
| F-number | F1.2 ~ F2.1 (IP8151) F1.2 ~ F16 (IP8151P) | F1.2 ~ F1.95 | F1.2 ~ F2.1 | F1.2 ~ F2.1 (IP8162) F1.2 ~ F16 (IP8162P) | F1.2 ~ F1.95 |
| Focal Length | f = 3.1 ~ 8 mm | f = 2.8 ~ 8 mm | f = 3.1 ~ 8 mm | f = 3.1 ~ 8 mm | f = 2.8 ~ 8 mm |
| Field of View | 35° ~ 87° (H) 27° ~ 64° (V) | TBD | 33' ~ 81' (H) 25' ~ 60' (V) | 42° ~ 105° (H) 24° ~ 58° (V) | 38.76'~89.59' (H) 21.48'~50.15' (V) |
| Auto-iris | DC-iris (IP8151) P-iris (IP8151P) | P-iris | DC-iris | DC-iris (IP8162) P-iris (IP8162P) | P-iris |
| Day/Night | Yes | Yes | Yes | Yes | Yes |
| IR Illuminators | · · | - | - | - | - |
| Min. Illumination | 0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | TBD | 0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.06 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.4 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) |
| Max. Video Resolution | 1280x1024 (1.3MP) | 1280×1024 (1.3MP) | 1600×1200 (2MP) | 1920x1080 (2MP) | 1920x1080 (2MP) |
| Frames per Second | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 | 30 fps @ 1280x720 15 fps @ 1600x1200 | 30 fps @ 1920x1080 | 30 fps @ 1920x1080 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) |
| Multiple Streams | 4 Streams | 2 Streams | 4 Streams | 4 Streams | 2 Streams |
| WDR Technology* | WDR Enhanced | WDR Pro II | - | WDR Enhanced | WDR Pro |
| Power Input | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V |
| Digital Input / Output | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio |
| On-board Storage | SD/SDHC Card Slot | SD/SDHC/SDXC Card Slot | SD/SDHC Card Slot | SD/SDHC Card Slot | SD/SDHC/SDXC Card Slot |
| Housing | | - | - | - | - |
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | 0°C ~ 50°C (32°F ~ 122°F) | -10°C ~ 50°C (14°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) |
| Other Value-added Features | ePTZ, Adjustment Ring, Focus Assist (IP8151P), SNV* | Auto Back Focus, SNV* | ePTZ, Adjustment Ring | ePTZ, Focus Assist | Auto Back Focus |

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5 Megapixel

5MP, 10fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist

1/2.5" Progressive CMOS

Vari-focal

F1.2 ~ 2.5 (IP8172) F1.6 ~ 2.7 (IP8172P)

f = 2.8 ~ 12 mm (IP8172) f = 3.5 ~ 10 mm (IP8172P)

IP8172 : 28° ~ 115° (H) IP8172P : 33° ~ 93° (H)

> DC-iris (IP8172) P-iris (IP8172P)

Yes

IP8172: 0.02 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) IP8172P: 0.05 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)

2560x1920 (5MP)

30 fps @ 1920x1080 10 fps @ 2560x1920

Triple-Codec (H.264/MJPEG/MPEG-4)

3 Streams

WDR Enhanced

PoE DC 12V

AC 24V 1/1

Two-way Audio

SD/SDHC/SDXC Card Slot

-10°C ~ 50°C (14°F ~ 122°F)

ePTZ, Focus Assist

Mini-box Cameras

1.3 Megapixel



1.3MP, 30fps, H.264/MJPEG, Supreme Night Visibility 1/3" Progressive CMOS

Vari-focal (IP8152) Fixed-focal (IP8152-F4)

F1.4 ~ F2.4 (IP8152) F1.6 (IP8152-F4)

f = 3.3 ~ 12 mm (IP8152) f = 4 mm (IP8152-F4)

IP8152: 34° ~ 74° (H) IP8152-F4: 76° (H), 60° (V)

DC-iris (IP8152) Fixed-iris (IP8152-F4)

Yes

0.11 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)

1280x1024 (1.3MP)

30 fps @ 1280x1024

Dual-Codec (H.264/MJPEG)

2 Streams

PoE

1/0 Two-way Audio

MicroSD/SDHC/SDXC Card Slot

0°C ~ 50°C (32°F ~ 122°F)

Compact Size

| Form Factor | Mini-box Cameras | Bullet C | Cameras | | Bullet C | ameras | |
|----------------------------|---|--|---|--|---|--|--|
| Video Resolution | 3 Megapixel | VGA | 1 Megapixel | 1 Meg | gapixel | 1.3 Meg | apixel |
| | | | · | WDR | WDR | SNV WDR NEW | NEW |
| Model Name | IP8173H | IP8331 | IP8332-C | IP8335H | IP8337H-C | IP8355EH | IB8354-C |
| Summary | 3MP, 20fps, H.264/MJPEG/MPEG-4, WDR Pro | VGA, 30fps, H.264/MJPEG/MPEG-4, IP66, PoE | 1MP, 30fps, H.264/MJPEG/MPEG-4, Cable Management | 1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, P-iris | 1MP, 30fps, H.264/MJPEG, WDR Pro, 3DNR | 1.3MP, 30fps, H.264/MJPEG, WDR Pro II, -50°C~50°C | 1.3MP, 30fps, H.264/MJPEG, -20'C~50'C |
| Sensor Type | 1/3" Progressive CMOS | 1/4" Progressive CMOS | 1/4" Progressive CMOS | 1/2.7" Progressive CMOS | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/3" Progressive CMOS |
| Lens Type | Vari-focal | Fixed-focal | Fixed-focal | Vari-focal | Fixed-focal | Vari-focal Remote Focus | Fixed-focal |
| F-number | F1.2 ~ F1.95 | F1.8 | F1.8 | F1.2 ~ F2.1 | F1.6 | F1.2 ~ F2.3 | TBD |
| Focal Length | f = 2.8 ~ 8 mm | f = 4.0 mm | f = 3.6 mm | f = 3 ~ 9 mm | f = 6.0 mm | f = 3 ~ 9 mm | TBD |
| Field of View | 46° ~ 94° (H) 35° ~ 70° (V) | 71° (H), 52° (V) | 56° (H), 41° (V) | 31° ~ 86° (H) 25° ~ 73° (V) | 56' (H), 31' (V) | 34° ~ 80° (H) 27° ~ 62° (V) | TBD |
| Auto-iris | P-iris | | | P-iris | | P-iris | - |
| Day/Night | Yes | Yes (Dual-band Lens) | Yes | Yes | Yes | Yes | Yes |
| IR Illuminators | | 10 m, IR LED*12 | 15 m, IR LED*12 | 20 m, IR LED*12 | 20 m, IR LED*12 | 30m | 15 m, IR LED*12 |
| Min. Illumination | 0.18 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.1 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) | 0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) | 0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.48 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W) | 0.07 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | TBD |
| Max. Video Resolution | 2048x1536 (3.1MP) | 640x480 | 1280×800 (1MP) | 1280x800 (1MP) | 1280x800 (1MP) | 1280x1024 (1.3MP) | 1280x1024 (1.3MP) |
| Frames per Second | 20 fps @ 2048x1536 | 30 fps @ 640x480 | 30 fps @ 1280x800 | 30 fps @ 1280x800 | 30 fps @ 1280x800 | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) |
| Multiple Streams | 3 Streams | 2 Streams | 4 Streams | 2 Streams | 2 Streams | 2 Streams | 3 Streams |
| WDR Technology* | WDR Pro | | | WDR Pro | WDR Pro | WDR Pro II | |
| Power Input | PoE | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE | PoE DC 12V AC 24V | PoE |
| Digital Input / Output | 1/0 | 1/0 | 1/0 | 3/1 | 1/0 | 1/1 | 1/0 |
| Audio Capability | Two-way Audio | | | Two-way Audio | | Two-way Audio | |
| On-board Storage | MicroSD/SDHC/SDXC Card Slot | | MicroSD/SDHC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot |
| Housing | · · | IP66 | IP66 | IP67 | IP66 | IP66 | IP66 |
| Operating Temperature | 0°C ~ 50°C (32°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) |
| Other Value-added Features | Compact Size | - | Cable Management | Cable Management, ePTZ | Cable Management, 3DNR | ePTZ, WDR Pro II, SNV* | Cable Management, 3DNR |

| Form Factor | | Bullet Cameras | | | Bullet Ca | meras | |
|----------------------------|---------------------------------------|-------------------------------------|--|--|--|--|---|
| Video Resolution | 1.3 Megapixel | 2 Mega | apixel | | 2 Megapixel | | 3 Megapixel |
| | Coming Soon | NEW | -0): | | SUPREME | WDR | |
| Model Name | IB8156 | IB8168 | IP8364-C | IP8361 | IP8362 | IP8365EH | IP8371E |
| Summary | 1.3MP, 30fps, H.264/MJPEG, -20°C~50°C | 2MP, 30fps, H.264/MJPEG, -20°C~50°C | 2MP, 30fps, H.264/MJPEG, 3DNR, Cable Management | 2MP, 30fps, H.264/MJPEG/MPEG-4, IP67 | 2MP, 30fps, H.264/MJPEG/MPEG-4, IP67, WDR Enchanced | 2MP, 30fps, H.264/MJPEG, WDR Pro II, -50°C~50°C | 3MP, 30fps, H.264/MJPEG/MPE 1080p 60fps, -50°C~50°C |
| Sensor Type | 1/3" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS | 1/3.2" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.8" Progressive CMOS | 1/2.8" progressive CMOS |
| Lens Type | Fixed-focal | Fixed-focal | Fixed-focal | Vari-focal | Vari-focal | Vari-focal Remote Focus | Vari-focal Remote Focus |
| F-number | TBD | TBD | F1.6 | F1.2 ~ F2.1 | F1.2 ~ F2.1 | F1.2 ~ F2.3 | F1.2 ~ F2.3 |
| Focal Length | TBD | TBD | f = 6 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm |
| Field of View | TBD | TBD | 59° (H), 32° (V) | 30° ~ 83° (H) 23° ~ 62° (V) | 38° ~ 104° (H) 22° ~ 71° (V) | 39° ~ 89° (H) 22° ~ 49° (V) | 36° ~ 82° (H) 27° ~ 62° (V) |
| Auto-iris | | - | - | DC-iris | DC-iris | P-iris | P-iris |
| Day/Night | | - | Yes | Yes | Yes | Yes | Yes |
| IR Illuminators | · · | - | 20 m, IR LED*12 | 25 m, IR LED*24 | 20 m, IR LED*12 | 30m | 30 m, IR LED*4 |
| Min. Illumination | TBD | TBD | 0.18 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W) | 0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.39 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) |
| Max. Video Resolution | 1280×1024 (1.3MP) | 1920×1080 (2MP) | 1920×1080 (2MP) | 1600×1200 (2MP) | 1920×1080 (2MP) | 1920×1080 (2MP) | 2048x1536 (3.1MP) |
| Frames per Second | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 | 30 fps @ 1920x1080 | 30 fps @ 1280x720 15 fps @ 1600x1200 | 30 fps @ 1920x1080 | 30 fps @ 1920x1080 | 30 fps @ 2048x1536 60 fps @ 1920x1080 |
| Video Compression | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) |
| Multiple Streams | 3 Streams | 3 Streams | 2 Streams | 4 Streams | 4 Streams | 2 Streams | 4 Streams |
| WDR Technology* | · · | - | - | - | WDR Enhanced | WDR Pro | WDR Enhanced |
| Power Input | PoE | PoE | PoE | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V |
| Digital Input / Output | | - | 1/0 | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | · · | - | - | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio |
| On-board Storage | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | MicroSD/SDHC Card Slot | SD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot |
| Housing | · · | - | IP66 | IP67 | IP67 | IP66 | IP67 |
| Operating Temperature | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F) | -50°C ~ 50°C (-58°F ~ 122° PoE: -20°C ~ 50°C (-4°F ~ 122 |
| Other Value-added Features | Cable Management, Compact Size | Cable Management, Compact Size | Cable Management, 3DNR | Cable Management, ePTZ | Cable Management, ePTZ, Focus Assist | ePTZ, WDR Pro | SNV*, Smart Stream, |

| Form Factor | Bullet Cameras | Fixed Dome | Cameras | | Fixed Dom | ne Cameras | |
|----------------------------|---|---|--|--|--|--|---|
| Video Resolution | 5 Megapixel | 1 Mega | pixel | | 1 Meg | japixel | |
| | SN | | 00 | | 00 | WDR | |
| Model Name | IP8372 | FD8136 | FD8134/34V | FD8137H/37HV | FD8131/31V | FD8135H | FD8335H |
| Summary | 5MP, 10fps, H.264/MJPEG/MPEG-4, Remote Focus, -30'C~50'C | 1MP, 30fps, H.264/MJPEG/MPEG-4, Selectable Lens, Compact Size | 1MP, 30fps, H.264/MJPEG/MPEG-4, IP66, IK10, PoE | 1MP, 30fps, H.264/MJPEG, WDR Pro, Selectable Lens | 1MP, 30fps, H.264/MJPEG/MPEG-4, Vari-focal 3~12mm | 1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, PIR | 1MP, 30fps, H.264/MJPEG/MP WDR Pro, IP66, IK10 |
| Sensor Type | 1/2.5" Progressive CMOS | 1/4" Progressive CMOS | 1/4" Progressive CMOS | 1/3" Progressive CMOS | 1/4" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS |
| Lens Type | Vari-focal Remote Focus | Fixed-focal | Fixed-focal | Fixed-focal | Vari-focal | Vari-focal | Vari-focal |
| F-number | F1.8 ~ F3.4 | F2.0 (FD8136-F2, FD8136-F3) F1.8 (FD8136-F6) | F1.8 | F1.8 (FD8137H-F3) F1.6 (FD8137H-F6) | F1.4 ~ F2.0 (FD8131) F1.4 ~ F3.2 (FD8131V) | F1.2 ~ F2.1 | F1.2 ~ F2.1 |
| Focal Length | f = 3.79 ~ 9 mm | f = 2.5 mm (FD8136-F2) f = 3.6 mm (FD8136-F3) f = 6 mm (FD8136-F6) | f = 3.6 mm | f = 3.6 mm (FD8137H-F3) f = 6.0 mm (FD8137H-F6) | f = 3 ~ 12 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm |
| Field of View | 35' ~ 73' (H) 27' ~ 55' (V) | FD8136-F2: 90° (H), 62° (V) FD8136-F3: 61° (H), 38° (V) FD8136-F6: 36° (H), 23° (V) | 56° (H), 41° (V) | FD8137H-F3: 86° (H), 51° (V) FD8137H-F6: 59° (H), 32° (V) | FD8131: 24° ~ 61° (H) FD8131V: 20° ~ 40° (H) | 35° ~ 103° (H) 23° ~ 62° (V) | 35° ~ 103° (H) 23° ~ 62° (V) |
| Auto-iris | DC-iris | | - | - | - | P-iris | P-iris |
| Day/Night | Yes | - | Yes | Yes | - | Yes | Yes |
| IR Illuminators | 30 m, IR LED*26 | - | 10 m, IR LED*8 | 15 m, IR LED*8 | - | 20 m, IR LED*18 | 20 m, IR LED*18 |
| Min. Illumination | 0.03 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) | 0.45 Lux @ F1.8 | 0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) | 0.5 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W) | 0.38 Lux @ F1.4 | 0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) |
| Max. Video Resolution | 2560x1920 (5MP) | 1280x800 (1MP) | 1280×800 (1MP) | 1280x800 (1MP) | 1280×800 (1MP) | 1280×800 (1MP) | 1280×800 (1MP) |
| Frames per Second | 10 fps @ 2560x1920 30 fps @ 1920x1080 | 30 fps @ 1280x800 | 30 fps @ 1280x800 | 30 fps @1280x800 | 30 fps @ 1280x800 | 30 fps @ 1280x800 | 30 fps @ 1280x800 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) |
| Multiple Streams | 3 Streams | 2 Streams | 4 Streams | 2 Streams | 4 Streams | 2 Streams | 2 Streams |
| WDR Technology* | WDR Enhanced | - | - | WDR Pro | - | WDR Pro | WDR Pro |
| Power Input | PoE DC 12V AC 24V | PoE | PoE DC 12V | PoE | PoE DC 12V | PoE AC 24V | PoE AC 24V |
| Digital Input / Output | 2/1 | 1/0 | 1/0 | 1/0 | 1/0 | 3/1 | 3/1 |
| Audio Capability | Two-way Audio | Built-in Microphone | | Built-in Microphone | | Two-way Audio | Two-way Audio |
| On-board Storage | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC Card Slo |
| Housing | IP67 | · · | IP66, IK10 (FD8134V) | IP66, IK10 (FD8137HV) | IP66, IK10 (FD8131V) | | IP66, IK10 |
| Operating Temperature | -30°C ~ 50°C (-22°F ~ 122°F) | 0°C ~ 50°C (32°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | 0°C ~ 50°C (FD8137H) -20°C ~ 50°C (FD8137HV) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F |
| Other Value-added Features | Cable Management, ePTZ, SNV* | ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm) | - | 3DNR | ePTZ | PIR, 3-axis, ePTZ | 3-axis, ePTZ |

| Form Factor | | Fixed Dome Cameras | | | Fixed Dom | ne Cameras | |
|----------------------------|---|--|---|---|---|--|---------------------------------------|
| Video Resolution | | 1.3 Megapixel | | 1.3 Megapixel | | 2 Megapixel | |
| | SNV | SNV WDR NEW | SNV NEW | Coming Soon | | 1 | |
| Model Name | FD8151V | FD8355EHV | FD8154/54V | FD8156 | FD8164/64V | FD8166 | FD8168 |
| Summary | 1.3MP, 30fps, H.264/MJPEG, IK10 | 1.3MP, 30fps, H.264/MJPEG, WDR Pro II, -50°C~50°C | 1.3MP, 30fps, H.264/MJPEG, 3DNR | 1.3MP, 30fps, H.264/MJPEG, Compact Size | 2MP, 30fps, H.264/MJPEG, IP66, IK10, Selectable Lens | 2MP, 30fps, H.264/MJPEG, Selectable Lens, Compact Size | 2MP, 30fps, H.264/MJPEG, Compact Size |
| Sensor Type | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS |
| Lens Type | Fixed-focal | Vari-focal Remote Focus | Fixed-focal | Fixed-focal | Fixed-focal | Fixed-focal | Fixed-focal |
| F-number | F2.0 (FD8151V-F2) F1.5 (FD8151V-F4) | F1.3 ~ F2.5 | TBD | TBD | F2.0 (FD8164/64V-F2) F1.8 (FD8164/64V-F3) | F2.0 (FD8166-F2) F1.8 (FD8166-F3) F1.6 (FD8166-F6) | TBD |
| Focal Length | f = 2.5 mm (FD8151V-F2) f = 4.0 mm (FD8151V-F4) | f = 3 ~ 10 mm | TBD | TBD | f = 2.8 mm (FD8164/64V-F2) f = 3.6 mm (FD8164/64V-F3) | f = 2.8 mm (FD8166-F2) f = 3.6 mm (FD8166-F3) f = 6 mm (FD8166-F6) | TBD |
| Field of View | FD8151V-F2: 110° (H), 86° (V) FD8151V-F4: 64° (H), 53° (V) | 30° ~ 95° (H) 24° ~ 75° (V) | TBD | TBD | FD8164/64V-F2: 120° (H), 68° (V) FD8164/64V-F3: 95° (H), 51° (V) | FD8166-F2: 121° (H), 68° (V) FD8166-F3: 98° (H), 50° (V) FD8166-F6: 56° (H), 31° (V) | TBD |
| Auto-iris | | P-iris | | | - | | - |
| Day/Night | Yes | Yes | Yes | | Yes | | - |
| IR Illuminators | 5 m, IR LED*9 | 30 m | 15 m, IR LED*12 | | 15 m, IR LED*8 | | - |
| Min. Illumination | 0.1 Lux @ F1.5 (Color) 0.001 Lux @ F1.5 (B/W) | 0.08 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W) | TBD | TBD | 0.33 Lux @ F2.0 (Color) 0.001 Lux @ F2.0 (B/W) | 0.14 Lux @ F1.8 | TBD |
| Max. Video Resolution | 1280x1024 (1.3MP) | 1280x1024 (1.3MP) | 1280x1024 (1.3MP) | 1280x1024 (1.3MP) | 1920×1080 (2MP) | 1920×1080 (2MP) | 1920x1080 (2MP) |
| Frames per Second | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 | 30 fps @ 1280x1024 | 30 fps @ 1920x1080 | 15 fps @ 1920x1080 | 30 fps @ 1280x1024 |
| Video Compression | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) | Dual-Codec (H.264/MJPEG) |
| Multiple Streams | 2 Streams | 2 Streams | 3 Streams | 3 Streams | 2 Streams | 2 Streams | 3 Streams |
| WDR Technology* | | WDR Pro II | - | | - | - | - |
| Power Input | PoE | PoE DC 12V AC 24V | PoE | PoE | PoE | PoE | PoE |
| Digital Input / Output | 1/0 | 1/1 | 1/0 | | 1/0 | 1/0 | - |
| Audio Capability | Built-in Microphone | Two-way Audio | Built-in Microphone | - | Built-in Microphone | Built-in Microphone | - |
| On-board Storage | MicroSD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot |
| Housing | IK10 | IP66, IK10 | IP66, IK10 (FD8154V) | | IP66, IK10 (FD8164V) | · | |
| Operating Temperature | -10'C ~ 50'C (14'F ~ 122'F) | -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F) | 0°C ~ 50°C (FD8154) -20°C ~ 50°C (FD8154V) | -20°C ~ 50°C (-4°F ~ 122°F) | 0°C ~ 50°C (FD8164) -20°C ~ 50°C (FD8164V) | 0°C ~ 50°C (32°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) |
| Other Value-added Features | ePTZ, Ultra-mini Size (Ø: 100 mm, H: 55 mm), SNV* | WDR Pro II, 3-axis, SNV* | 3DNR, SNV* | Compact Size | 3DNR | ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm) | Compact Size |

| Form Factor | | Fixed Dome Cameras | | | Fixed Don | ne Cameras | |
|----------------------------|--|---|--|---|---|---|--|
| Video Resolution | | 2 Megapixel | | | 2 Megapixel | | 3 Megapixel |
| | - | | WDR | SUPRETIE | SUPREME | SUPREME | |
| Model Name | FD8161 | FD8361 | FD8365EHV | FD8362E | FD8163 | FD8363 | FD8171 |
| Summary | 2MP, 30fps, H.264/MJPEG/MPEG-4, Indoor, PIR | 2MP, 30fps, H.264/MJPEG/MPEG-4, IP66, IK10, -30'C~50'C | 2MP, 30fps, H.264/MJPEG, WDR Pro, IP66, IK10, -50°C~50°C | 2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IK10, -40°C~55°C | 2MP, 30fps, H.264/MJPEG/MPEG-4, Indoor, 15m IR | 2MP, 30fps, H.264/MJPEG/MPEG-4, IP66, IK10, 15m IR | 3MP, 30fps, H.264/MJPEG/MPEG-4, 1080p 60fps, Indoor, 20m IR |
| Sensor Type | 1/3.2" Progressive CMOS | 1/3.2" Progressive CMOS | 1/2.8" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.7" Progressive CMOS | 1/2.8" progressive CMOS |
| Lens Type | Vari-focal | Vari-focal | Vari-focal Remote Focus | Vari-focal Remote Focus | Vari-focal Remote Focus | Vari-focal Remote Focus | Vari-focal Remote Focus |
| F-number | F1.2 ~ F2.1 | F1.2 ~ F2.1 | F1.3 ~ F2.5 | F1.2 ~ F2.1 | F1.2 ~ F2.1 | F1.2 ~ F2.1 | F1.3 ~ F2.5 |
| Focal Length | f = 3 ~ 9 mm | f = 3 ~ 9 mm | f = 3 ~ 10 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm | f = 3 ~ 9 mm | f = 3 ~ 10 mm |
| Field of View | 32° ~ 93° (H) 24° ~ 68° (V) | 32° ~ 93° (H) 24° ~ 68° (V) | 33° ~ 104° (H) 19° ~ 56° (V) | 32° ~ 93° (H) 24° ~ 68° (V) | 38° ~ 104° (H) 22° ~ 71° (V) | 38° ~ 104° (H) 22° ~ 71° (V) | 32' ~ 99' (H) 24' ~ 72' (V) |
| Auto-iris | DC-iris | DC-iris | P-iris | DC-iris | DC-iris | DC-iris | P-iris |
| Day/Night | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| IR Illuminators | 15 m, IR LED*12 | 20 m, IR LED*18 | 20 m | | 15 m, LED*8 | 15 m, LED*8 | 20 m |
| Min. Illumination | 0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.42 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W) | 0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) | 0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W) |
| Max. Video Resolution | 1600×1200 (2MP) | 1600×1200 (2MP) | 1920x1080 (2MP) | 1920×1080 (2MP) | 1920×1080 (2MP) | 1920×1080 (2MP) | 2048x1536 (3.1MP) |
| Frames per Second | 30 fps @ 1280x720 15 fps @ 1600x1200 | 30 fps @ 1280x720 15 fps @ 1600x1200 | 30 fps @ 1920x1080 | 30 fps @ 1920x1080 | 30 fps @ 1920x1080 | 30 fps @ 1920x1080 | 30 fps @ 2048x1536 60 fps @ 1920x1080 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) |
| Multiple Streams | 4 Streams | 4 Streams | 2 Streams | 4 Streams | 4 Streams | 4 Streams | 4 Streams |
| WDR Technology* | | - | WDR Pro | WDR Enhanced | WDR Enhanced | WDR Enhanced | WDR Enhanced |
| Power Input | PoE DC 12V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V | PoE DC 12V AC 24V |
| Digital Input / Output | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio |
| On-board Storage | SD/SDHC Card Slot | SD/SDHC Card Slot | SD/SDHC/SDXC Card Slot | MicroSD/SDHC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot |
| Housing | · · | IP66, IK10 | IP66, IK10 | IP66, IK10 | | IP66, IK10 | |
| Operating Temperature | 0°C ~ 50°C (32°F ~ 122°F) | -30'C ~ 50'C (-22'F ~ 122'F) | -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F) | -40°C ~ 55°C (-40°F ~ 131°F) | 0°C ~ 50°C (32°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) | -20°C ~ 50°C (-4°F ~ 122°F) |
| Other Value-added Features | PIR, 3-axis, ePTZ | 3-axis, ePTZ | 3-axis | ePTZ, Smart Focus | Smart Focus, Smart IR, PIR | Smart Focus, Smart IR | Video Rotation, Smart IR, Smart Stream, 3DNR, PIR, 3-axis, SNV* |

| Form Factor | Fixed Dom | e Cameras | Panoramic Fisheye Cameras | | Panoramic Fisheye Cameras | | Mobile Dome Camera |
|----------------------------|--|---|--|--|---|---|--|
| Video Resolution | 3 Megapixel | 5 Megapixel | 1 Megapixel | 3 Megapixel | 5 Megapixel | 5 Megapixel | 1.2 Megapixel |
| | SNV | | • 1 | SUPREME | SUPRETINE | SUPREME NEW 2 | SUPREME |
| Model Name | FD8371EV | FD8372 | CC8130 | FE8173 | FE8174/74V | SF8174/74V | MD8531H |
| Summary | 3MP, 30fps, H.264/MJPEG/MPEG-4, 1080p 60fps, IK10, -50'C~50'C | 5MP, 10fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IP66, IK10 | 1MP, 30fps, H.264/MJPEG, 180' Panoramic View | 3MP, 15fps, H.264/MJPEG/MPEG-4, Fisheye Surround View | 5MP, 30 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, EN50155 | 5MP, 15fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, EN50155 | 1.2MP, 30fps, H.264/MJPEG/MPEG WDR Pro 120dB, EN50155 |
| Sensor Type | 1/2.8" progressive CMOS | 1/2.5" Progressive CMOS | 1/4" Progressive CMOS | 1/2.5" Progressive CMOS in 2560x1920 | 1/2.5" Progressive CMOS in 2560x1920 | 1/2.5" Progressive CMOS in 2560x1920 | 1/3" Progressive CMOS |
| Lens Type | Vari-focal Remote Focus | Vari-focal Remote Focus | Fixed-focal | Fixed | Fixed | Fixed | Fixed |
| F-number | F1.3 ~ F2.5 | F1.8 ~ F3.4 | F1.8 | F2.0 | F2.8 | F2.8 | F1.8 |
| Focal Length | f = 3 ~ 10 mm | f = 3.6 ~ 9 mm | f = 1.3 mm | f = 1.19 mm | f = 1.5 mm | f = 1.5 mm | f = 3.6 mm (MD8531H-F3) f = 4.2 mm (MD8531H-F4) |
| Field of View | 32° ~ 99° (H) 24° ~ 72° (V) | 35' ~ 89' (H) 27' ~ 67' (V) | 180°(H), 100°(V) | 180° (H), 180° (V) | 180° (H), 180° (V) | 180° (H), 180° (V) | TBD |
| Auto-iris | P-iris | DC-iris | - | - | - | - | - |
| Day/Night | Yes | Yes | - | Yes | Yes | Yes | - |
| IR Illuminators | 20 m, IR LED*4 | 20 m, IR LED*15 | - | - | - | - | - |
| Min. Illumination | 0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W) | 0.03 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) | 0.47 Lux @ F1.8 | 0.2 Lux @ F2.0 (Color) 0.001 Lux @ F2.0 (B/W) | 0.03 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W) | 0.03 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W) | TBD |
| Max. Video Resolution | 2048x1536 (3.1MP) | 2560×1920 (5MP) | 1280×800 | 1536x1536 | 1920×1920 | 1920×1920 | 1280x960 (1.2MP) |
| Frames per Second | 30 fps @ 2048x1536 60 fps @ 1920x1080 | 10 fps @ 2560x1920 30 fps @ 1920x1080 | 30 fps @ 1280x800 | 15 fps @ 1536x1536 | 15 fps @ 1920x1920 30 fps @ 1920x1080 | 15 fps @ 1920x1920 | 30 fps @ 1280x960 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) |
| Multiple Streams | 4 Streams | 3 Streams | 2 Streams | 3 streams | 3 Streams | 3 Streams | 4 Streams |
| WDR Technology* | WDR Enhanced | WDR Enhanced | - | WDR Enhanced | WDR Enhanced | WDR Enhanced | WDR Pro |
| Power Input | PoE DC 12V AC 24V | PoE AC 24V | PoE | PoE DC 12V | PoE DC 12V | PoE DC 12V | PoE |
| Digital Input / Output | 1/1 | 3/1 | | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | Two-way Audio | Two-way Audio | Built-in Microphone | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio |
| On-board Storage | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | - | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot | MicroSD/SDHC/SDXC Card Slot |
| Housing | IP66, IK10 | IP66, IK10 | | - | IP66, IK10 (FE8174V) | IP66, IK10 (SF8174V) | IP66, IK10 |
| Operating Temperature | -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F) | -30°C ~ 50°C (-22°F ~ 122°F) | 0°C ~ 40°C (32°F ~ 104°F) | -25°C ~ 50°C (-13°F ~ 122°F) | -40°C ~ 50°C (-40°F ~ 122°F) | -40°C ~ 50°C (-40°F ~ 122°F) | -25'C ~ 50'C (-13'F ~ 122'F) |
| Other Value-added Features | Smart IR, Smart Stream, 3DNR, SNV* | 3-axis, ePTZ | Compact Size, 180 [°] Panoramic View Tilt Mount/Flat Mount Available | ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator | EN50155 (FE8174V), ePTZ, 180 [°] Panoramic View and 360 [°] Surround View, Pixel Calculator Local dewarping | EN50155 (SF8174V), ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator Panoramic PTZ | EN50155, ePTZ, Video Rotatior |

| Form Factor | Mobile Dome Cameras | PTZ Don | ne Cameras | | PTZ Dome Cameras | | Cube Cameras |
|----------------------------|--|--|--|--|--|--|--|
| Video Resolution | 2 Megapixel | 1 Megapixel | D1 | D1 | 2 Mega | pixel | 1 Megapixel |
| | SUPREME | 0 | | WDP | | SNV WDR Coming Soon | |
| Model Name | MD8562/62D | PD8136 | SD8314E/24E | SD8316E/26E | SD8363E | SD8364E | IP8130/31/30W/31W |
| Summary | 2MP, 30fps, H.264/MJPEG/MPEG-4, IP67, IK10, EN50155 | 1MP, 30fps, H.264/MJPEG/MPEG-4, 360' Pan & 80' Tilt | D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 18x, IP66, NEMA 4X | D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 36x, IP66, NEMA 4X | 2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 20x, IP66, NEMA 4X | 2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X | 1MP, 30fps, H.264/MJPEG, 6m IR, Wi |
| Sensor Type | 1/2.7" Progressive CMOS | 1/4" Progressive CMOS | 1/4" Progressive CCD | 1/4" Progressive CCD | 1/3" Progressive CMOS | 1/3" Progressive CMOS | 1/4" Progressive CMOS |
| Lens Type | Fixed | Fixed-focal | 18x Optical Zoom Auto Focus | 36x Optical Zoom Auto Focus | 20x Optical Zoom Auto Focus | 30x Optical Zoom Auto Focus | Fixed-focal |
| F-number | F2.0 | F1.8 | F1.4 ~ F3.0 | F1.6 ~ F4.5 | F1.6 ~ F3.5 | F1.6 ~ F4.7 | F2.4 (IP8130/30W) F1.8 (IP8131/31W) |
| Focal Length | f = 2.8 mm | f = 3.6 mm | f = 4.1 ~ 73.8 mm | f = 3.4 ~ 122.4 mm | f = 4.7~ 94 mm | f = 4.3~ 129 mm | f = 3.45 mm (IP8130/30W) f = 3.6 mm (IP8131/31W) |
| Field of View | 110° (H), 82° (V) | 56° (H), 41° (V) | 3° ~ 48° (H) 2° ~ 37° (V) | 2' ~ 58' (H) 1' ~ 44' (V) | 3° ~ 55° (H) 2° ~ 32° (V) | TBD | IP8130/30W: 47° (H), 31° (V) IP8131/31W: 60° (H), 39° (V) |
| Auto-iris | | - | DC-iris | DC-iris | DC-iris | DC-iris | - |
| Day/Night | | - | Yes | Yes | Yes | Yes | Yes (IP8131/31W) |
| IR Illuminators | · · | | | | | | 6m, IR LED*6 (IP8131/31W) |
| Min. Illumination | 0.2 Lux @ F2.0 | 0.47 Lux @ F1.8 | 0.01 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W) | 0.01 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W) | 0.02 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W) | TBD | 0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) (IP8131/ |
| Max. Video Resolution | 1920×1080 (2MP) | 1280x800 (1MP) | 720x480/NTSC (SD8314E) 720x576/PAL (SD8324E) | 720x480/NTSC (SD8316E) 720x576/PAL (SD8326E) | 1920×1080 (2MP) | 1920x1080 (2MP) | 1280x800 (1MP) |
| Frames per Second | 30 fps @ 1920x1080 | 30 fps @ 1280x800 | 30 fps @ 720x480 25 fps @ 720x576 | 30 fps @ 720x480 25 fps @ 720x576 | 60 fps @ 1280x720 30 fps @ 1920x1080 | 60 fps @ 1280x720 30 fps @ 1920x1080 | 30 fps @ 1280x800 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) |
| Multiple Streams | 4 Streams | 2 Streams | 4 Streams | 4 Streams | 4 Streams | 4 Streams | 2 Streams |
| WDR Technology* | WDR Enhanced | - | WDR Pro | WDR Pro | WDR Pro | WDR Pro | - |
| Power Input | PoE (MD8562) DC 12V (MD8562D) | PoE | PoE Plus High Power PoE AC 24V | PoE Plus High Power PoE AC 24V | PoE Plus High Power PoE AC 24V | PoE Plus High Power PoE AC 24V | DC 12V |
| Digital Input / Output | 1/0 | - | 4/2 | 4/2 | 4/2 | 4/2 | 1/0 |
| Audio Capability | Audio In | Built-in Microphone | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio | Two-way Audio |
| On-board Storage | MicroSD/SDHC Card Slot | MicroSD/SDHC Card Slot | SD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | SD/SDHC/SDXC Card Slot | MicroSD/SDHC Card Slot |
| Housing | IP67, IK10 | - | IP66, NEMA 4X, IK08 (With AC-111) | IP66, NEMA 4X, IK08 (With AC-111) | IP66, NEMA 4X | IP66, NEMA 4X | - |
| Operating Temperature | -25°C ~ 50°C (-13°F ~ 122°F) | 0°C ~ 45°C (32°F ~ 113°F) | -40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus) | -40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus) | -40°C ~ 55°C (AC 24V) -10°C ~ 55°C (PoE Plus) | -40°C ~ 55°C (AC 24V) -10°C ~ 55°C (PoE Plus) | 0°C ~ 40°C (32°F ~ 104°F) |
| Other Value-added Features | EN50155, ePTZ | Compact Design, 360° Pan & 80° Tilt | Audio Detection, Auto Tracking, SNV* | Audio Detection, Auto Tracking, EIS, SNV* | Audio Detection, Auto Tracking, SNV* | Defog, EIS, Audio Detection, | Compact Size, 802.11b/g/n WL/ |

| Form Factor | Cube C | ameras |
|----------------------------|---|--|
| Video Resolution | 1 Meg | apixel |
| Model Name | IP8133/33W | IP8336W |
| Summary | 1MP, 30fps, H.264/MJPEG/MPEG-4, White-light Led, PIR, Wi-Fi, WPS | 1MP, 30fps, H.264/MJPEG/MPEG-4, Sm IR, Wi-Fi, WPS, IP66 |
| Sensor Type | 1/4" Progressive CMOS | 1/4" Progressive CMOS |
| Lens Type | Fixed-focal | Fixed-focal |
| F-number | F2.4 | F1.8 |
| Focal Length | f = 3.45 mm | f = 3.6 mm |
| Field of View | 47' (H), 31' (V) | 56' (H), 41' (V) |
| Auto-iris Day/Night | · · | - Yes |
| IR Illuminators | | 5 m, IR LED*6 |
| Min. Illumination | 3.0 Lux @ F2.4 | 0.47 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) |
| Max. Video Resolution | 1280×800 (1MP) | 1280x800 (1MP) |
| Frames per Second | 30 fps @ 1280x800 | 30 fps @ 1280x800 |
| Video Compression | Triple-Codec (H.264/MJPEG/MPEG-4) | Triple-Codec (H.264/MJPEG/MPEG-4) |
| Multiple Streams | 3 Streams | 2 Streams |
| WDR Technology* | | |
| Power Input | PoE (IP8133) DC 5V | DC 12V |
| Digital Input / Output | 1/1 | 1/0 |
| Audio Capability | Two-way Audio | Built-in Microphone |
| On-board Storage | | MicroSD/SDHC Card Slot |
| Housing | · · | IP66 |
| Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F) | -20°C ~ 45°C (-4°F ~ 113°F) |
| Other Value-added Features | Privacy Button, PIR, White-light LEDs, Built-in Speaker, WPS (IP8133W) | ePTZ, WPS, 802.11b/g/n WLAN |

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| VS8102 | VS8100 |
|--------------------------------------|---|
| 1 Analog Camera Input | 1 Analog Camera Input |
| NTSC/PAL Auto Detection | NTSC/PAL Auto Detection |
| 720x480/NTSC 720x576/PAL | 720x480/NTSC 720x576/PAL |
| 30 fps @ 720x480 25 fps @ 720x576 | 30 fps @ 720x480 25 fps @ 720x576 |
| Two-way Audio | Audio in |
| Triple-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG) |
| RS485 | RS485 |
| Yes | Yes |
| 10/100 Mbps Ethernet | 10/100 Mbps Ethernet |
| 1/1 | |
| Yes | Yes |
| 4 Streams | 3 Streams |
| PoE DC 12V AC 24V | DC 12V |
| SD/SDHC Card Slot | |
| DC 12V Output for Analog Camera | Ultra-mini Size (25mm x 34mm x 65mm), Power Sharing with Analog Camera |

| | | | Acces | sories | | | | | | | |
|-------------|--|--|---|--|----------|-------------------------------------|---|--------------------------------------|--|-------------|---|
| | | | Mount | ing Kits | | | | | | | |
| | | S. | | | | - | 1 | | | | |
| Model Name | AM-102 | AM-114 | AM-115 | AM-1 | 17 | AM-214 | AM-212 | 2 | AM2000 | | |
| Description | Recessed kit | Pendant head | Pendant Pipe (white) | Pendant pip | e (gray) | L shape brac | ket Wall mount b | racket | Wall mount bracke | | |
| | | | Mount | ing Kits | | | | | | | |
| | E | turi - | - 8 | | | 0 | 0 | | 9 | | |
| Model Name | AM-311 | AM-411 | AM5102 | AM-5 | 15 | AM-516 | AM-51 | 7 | AM-518 | | |
| Description | Pole mount adaptor | Corner mount adaptor | 1.5" NPT adaptor | 1.5" NPT a | daptor | Adaptor rir | ng Adaptor ri | ng | Mounting adapto (gray) | | |
| | | | Mount | ing Kits | | | | | | | |
| | <u> </u> | ¥ (| 0 | 0 | 1 | | 9 | | | | |
| Model Name | AM-51A | AM-711 | SP-702A | AM-2 | 21 | AM-231 | AM-118 | 3 | AM-131 | | |
| Description | Mounting adaptor (white) | Junction box | Mounting bracket | Gooseneck bracket | | Parapet mor bracket | unt Pendant he | Pendant head | | | |
| | | | Enclo | sures | | | | | | | |
| | | | - 6 | - 0 | | | | | | | |
| Model Name | AE-101 | AE-102 | AE-131 | AE-13 | 32 | AE-151 | AE-211 | | AE-232 | | |
| Description | Indoor camera enclosure (transparent cover) | Indoor camera enclosure (smoke cover) | Outdoor dome enclosure (transparent cover) | Outdoor enclose (smoke c | ure | Outdoor do housing | me Outdoor encl with fan | osure | Outdoor camera enclosure with fan/heater | | |
| | | | Enclo | sures | | | | Dome C | Covers | | |
| | | | - Ç | | | - 0 | 8 | | | | |
| Model Name | AE-233 | AE-201 | AE-202 | AE-251 | | AE-252 | AC-111 | | AC-211 | | |
| Description | Outdoor camera enclosure with fan/heater (input AC 24V) | Indoor camera enclosure (Transparent cover) | Indoor camera enclosure (Smoke cover) | Outdoor dome housing (Transparent cover) | | Outdoor do housing (Smoke cov | dome cov | er | Smoked speed don cover | | |
| | | IR Illuminators | | | | | Lenses | | | | |
| | | 5 6 | O tang | - | | S | 1 | | - | | |
| Model Name | AI-101 | AI-102 | AI-103 | AL-231 | | AL-231 AL-232 | | | AL-241 | | |
| Description | IR illuminators, super power infrared LED units*6, distance 20 M | IR illuminators, super power infrared LED units*12 in 2 tube housings, distance 20 M, IP68 | IR illuminators, super power infrared LED units*6, distance 20 M, IP68 | CS mount, 2.8 ~ 12 mm, F1.2, DC-iris | | 2.8 ~ 12 mm, F1.2, | | CS mount 3.1 ~ 8 mm, I DC-iris | , CS moun F1.2, 5 ~ 50 mm, DC-iris | t, F1.6, | CS mount, 3.1 ~ 8 mm, F1.2 P-iris |
| | Ler | ises | | | | PoE Kits | 5 | | | | |
| | 1 | | 44 | | | | | | | | |
| Model Name | AL-234 | 13VM308AS | MS-POE-KITAF | POE-IJ-1748NDN | | POE-SP-1212 | SP-12121DN POE-SP-12051DN | | AP3001 | | |
| Description | CS mount, 5 ~ 50 mm, F1.6, DC-iris | CS mount, 3 ~ 8 mm, F1.0, manual-iris | 802.3af PoE kit 5V \12V | 802.3af PoE | injector | 802.3af PoE sp 12V | olitter 802.3af PoE s 5V | plitter | 802.3at PoE inject | | |
| | PoE Kits | | Power Ad | apters | | | Networ | rk Acces | sories | | |
| | 4 | | | 1 | | 19. 1 | 1000 | | NO. | | |
| Model Name | AP-331 | AA-341 | AA-221/A | A-222 | A | 4-231 | AN3000 | | IOP-RFCFD- 400150NMR | | |
| Description | 802.3at, High Power PoE | AC 24V 3.5A po adapter | wer DC 12V 1.5, adapt | power DC 12) er power a | | I2V 2.5A r adapter | Outdoor Ethernet waterproof connecto | r | RF cable | | |
| | | Net | work Accessories | | | | Joystick | | Miscellaneous | | |
| | | | | 3 | | | \$ | | m) | | |
| Model Name | AN-211 | AN-212 | AN-2 | 13 AN | | N-221 | I IPD-USB | | AO-001 | | |
| Description | Outdoor wireless access point (Antenna connector*) | Outdoor wirele access point (Antenna 1) connectors*2 | access p (Anter | ooint 5G panel a Ina 5 ~ 8 k | | iel antenna ~ 8 km | USB joystick | USB joystick | | | |

| Coming Soon | |
|-------------|--|

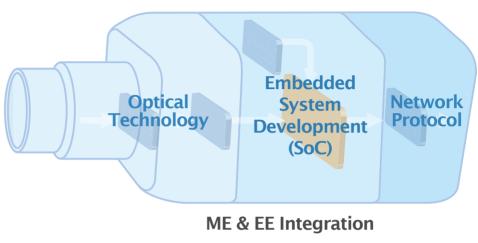
Network Video Recorders

| | | Coming Soon | | |
|--|---|--|--|--|
| Model Name | NR8401 | ND8321 | ND8301 | ND8401 |
| Video Compression | H.264, MPEG-4 | H.264, MJPEG | H.264, MPEG-4 & MJPEG | H.264, MPEG-4 & MJPEG |
| Channels | Up to 16 channels | Up to 8 channels | Up to 8 channels | Up to 16 channels |
| Hard Disk | 3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5) | 3.5" SATA I/II/III HDD*2, up to 8TB | 3.5" SATA I/II/III HDD*2, up to 6TB (Supports RAID 0, 1) | 3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5, 10) |
| Compatibility | Supports VIVOTEK network cameras | Supports VIVOTEK network cameras | Supports all VIVOTEK network cameras Supports ONVIF network cameras | Supports all VIVOTEK network cameras Supports ONVIF network cameras |
| Recording Throughput | Total: 96 Mbps | Total: 32 Mbps | Total: 96 Mbps | Total: 96 Mbps |
| Recording Policy | Event recording Scheduled recording Continuous recording | Event recording Scheduled recording Continuous recording Manual recording | Event recording Scheduled recording Continuous recording Manual recording | Event recording Scheduled recording Continuous recording Manual recording |
| Local Display Support Resolution | | HDMI video output 1920 x 1080 | VGA video output 1024 x 768~1920 x 1080 | VGA video output 1024 x 768~1920 x 1080 |
| Connectors | Ethernet 10/100/1000 *2, RJ45 USB socket for configuration backup & UPS Terminal block (DI*4, DO*1,RS232*1) | Ethernet 10/100/1000 *1, RJ45 USB socket for video backup, keyboard, mouse & UPS | Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector | Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector |
| History Playback | Playback of recorded media with date calendar | Playback of recorded media with date calendar & storyboard | Playback of recorded media with device, time, event & bookmark | Playback of recorded media with device, time, event & bookmark |
| Power | 100 ~ 240V AC Power consumption: Max. 70 W | TBD Power consumption:TBD | DC12V 5A Power consumption: Max. 31 W | 100 ~ 240V AC Power consumption: Max. 58 W |
| Approvals | CE, FCC, VCCI, C-Tick | CE, FCC, VCCI, C-Tick | CE, FCC, VCCI, C-Tick | CE, FCC, VCCI, C-Tick |
| Installation, Management, and Maintenance | Installation Wizard 2 VAST iViewer (iOS/Android) | Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android) | Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android) | Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android) |
| Weight | Net: 7200 g (without HDD) | Net: TBD g (without HDD) | Net: 2270 g (without HDD) | Net: 5240 g (without HDD) |
| Dimensions | 430mm (W) x 421mm (D) x 44mm (H) | 121 mm (W) x 167.67 mm (D) x 185.9 mm (H) | 315 mm (W) x 220 mm (D) x 75 mm (H) | 330 mm (W) x 204 mm (D) x 215 mm (H) |
| | | | | |



Core Competence

VIVOTEK's core competence lies in its strong R&D capabilities in hardware, software, electrical and mechanical integation. Throughout the years, our innovation has created excellent products recognized as highly reliable in the worldwide suveillance market.



Resolution

Resolution refers to the number of pixels in a horizontal row and vertical column of an image. The higher the resolution, the more information can be rendered and thus the better image quality. A megapixel network camera features a resolution at least three times larger than that of an analog CCTV camera (traditionally 0.3 megapixel), is mainly used in video surveillance in wide open areas or scenarios where accurate identification is needed, such as license plate recognition or face recognition.



WDR Enhancement

WDR Enhancement technology works by reducing the dynamic range of the entire image, while retaining the overall contrast. By compensating for unbalanced in a scene, detail is restored throughout the field of view so as to provide better visibility to identify an object of interest.





Without WDR

WDR Enhanced

WDR Pro

WDR Pro technology works by capturing alternate frames using different exposure times. The frame with longer exposure time captures details in darker parts of the scene, while the frame with shorter exposure time captures the brighter areas. An image signal processor (ISP) then uses a sophiticated algorithm to seamlessly combine the optimal portions of these two complementary frames to create a composite frame that retains detail in both dark and bright areas of the scene.





WDR Pro II

WDR Pro II is an advanced version of WDR Pro. WDR Pro II technology works by capturing four alternate frames using four different exposure times. The four alternate frames present details from the darkest to the brightest areas in a scene respectively. An image signal processor (ISP) then uses a sophiticated algorithm to seamlessly combine the optimal portions of these four complementary frames to create a composite frame that retains the best details of the scene.

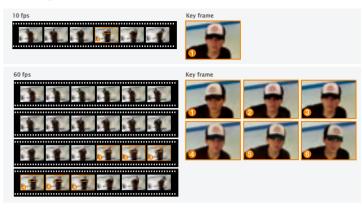


WDR Pro II

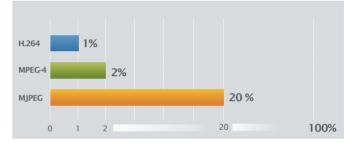
60 fps

Codec

60 frames per second framerate enables a network camera to handle scenes with fast moving objects, such as traffic or casino applications, and enhances identification accuracy in intelligence applications.



H.264, MJPEG and MPEG-4 are the three major video codec formats applied in network cameras. Each format has its pros and cons and is used respectively for different streaming purposes.



| | MJPEG | MPEG-4 | H.264 | | |
|-------------------------------|---|---|-------|--|--|
| Compressed file size | 20% | 2% | 1% | | |
| Bandwidth comparison ratio | 20 | : 2 : | 1 | | |
| Encoding CPU loading ratio | 1 | : 4 : | 10 | | |
| Applications | Local storage Snapshot viewing | Moving picture viewing Real-time transmission with limited bandwidth | | | |
| _ | | | | | |

Compressed File Sizes of MJPEG, MPEG-4 and H.264

Comparison of MJPEG, MPEG-4 and H.264

MA Avenue Rd.

City Surveillance

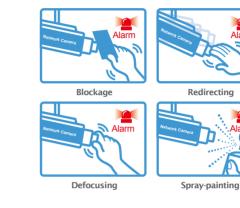
An increasing number of city governments are launching projects to consolidate video from security cameras to an integrated platform to enhance overall safety and convenience for its citizens. VIVOTEK's outdoor dome, bullet, and PTZ cameras serve as a comprehensive product line for demanding applications.

Service of the local division of the local d

VCA

With digital video from network cameras, useful data contained in a video stream now can be retrived in an efficient way and be analyzed and applied in applications like license plate recognition, people counting, face recognition, tamper detection, color recognition, object tracking...and more. An intelligent video surveillance system can be integrated with access control, POS, police databases, or toll billing systems to improve efficiency.

Tamper Detection



Intelligent Motion Detection

Intelligent motion detection can distinguish between moving objects from natural environmental movements and trigger alarms based simply on the motion from the object of interest, decreasing false alarms.

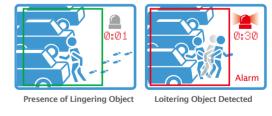




Conventional Motion Detection

Intelligent Motion Detection

Loitering Detection













Conventional Motion Detection



Intelligent Motion Detection



Alarm Triggered by Loitering Detection

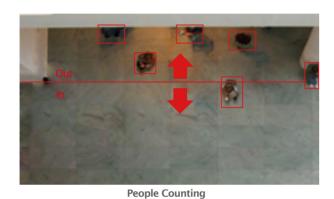
License Plate Recognition

Audio Detection



License Plate Recognition

People Counting



1100

Cross-line Detection

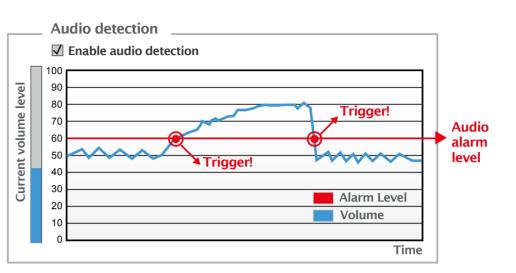




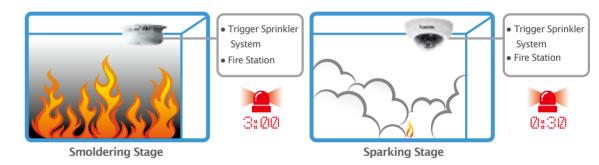
Object Tracking



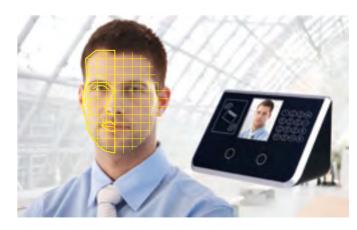
Object Tracking



Fire and Smoke Detection



Facial Recognition



Facial Recognition on an Access Control System

Audio Detection

Comparison of Traditional Smoke Detector and Intelligent Network Camera with Fire and Smoke Detection

Housing

Vandal-proof Housing

A vandal-proof housing can resist violent attack, enabling a camera to operate in high-risk public environments such as prisons, transportation stations, parking lots, and ATM sites. Such housings feature robust design made of metal or polycarbonate plastic and can resist a strong impact force.

The IK rating system classifies the level of protection provided by enclosures for electrical appliances against external mechanical impact. An IK10-rated network camera can withstand an impact of 20 Joules, meaning the camera will withstand the impact of a 5 kg weight dropped on it from a height of 40 cm.

| IK Code and Impact Energy | | | | | | | | | | | |
|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|
| IK Code | IK00 | IK01 | IK02 | IK03 | IK04 | IK05 | IK06 | IK07 | IK08 | IK09 | IK10 |
| Impact Energy (joule) | - | 0.14 | 0.2 | 0.35 | 0.5 | 0.7 | 1 | 2 | 5 | 10 | 20 |
| Mass (Kg) | - | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.5 | 1.7 | 5 | 5 |
| Stroke down (mm) | - | 56 | 80 | 140 | 200 | 280 | 400 | 400 | 300 | 200 | 400 |
| Impact Test Characteristics | | | | | | | | | | | |

IP-rated Housing

A weatherproof housing should conform to the IP rating that defines protection against solid objects and liquid on a 0-6 and 0-8 scale respectively. Generally, a housing should be at least IP66-rated to provide sufficient protection for the camera's internal components.

| | Prevents device from accessing haza |
|------|--|
| 0 | Non-protected |
| 1 | Protected against solid foreign objects 50 mm dia |
| 2 | Protected against solid foreign objects 12.5 mm d |
| 3 | Protected against solid foreign objects 2.5 mm dia |
| 4 | Protected against solid foreign objects 1.0 mm dia |
| 5 | Dust Protected |
| 6 | Dust-tight |
| aroo | of Protection against Dust Penresented h |

Degree of Protection against Dust Represented by First Digit of IP Rating

| Pre | event the damage of penetration of wate |
|-----|--|
| 0 | Non-protected |
| 1 | Protected against drips |
| 2 | Protected against drips if the housing is bent at an |
| 3 | Protected against spray-water |
| 4 | Protected against splash-water |
| 5 | Protected against jet-water |
| 6 | Protected against strong jet-water |
| 7 | Protected against the effects of temporary submer |
| 8 | Protected against the effects of permanent subme |
| | |

Degree of Protection against Water Represented by Second Digit of IP Rating

Public Transportation

Video surveillance in public transportation has become crucial. Stored video is often used to identify potential threats and ensure the safety of passengers. VIVOTEK offers a series of network cameras that are compliant with the industrial railway standards, like EN50155.

Ġ.

ct Test Characteristics



Seamless Recording

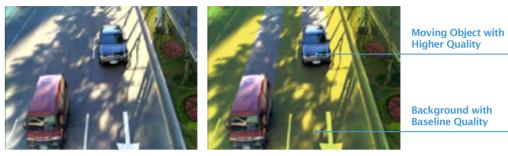
If a network connection is lost, video streams can be backed up on an SD card inserted into a VIVOTEK camera as backup. When the network connection is recovered, Seamless Recording enables the recording server to merge the backup data on the SD card with that on the recording server, creating a seamless video record. Seamless Recording is supported by VIVOTEK CMS platforms.



Camera with SD card for backup recording VAST Server

Smart Stream

Smart Stream technology intelligently allocates bandwidth when streaming moving objects or Regions of Interest in surveillance scenarios, resulting in increased savings in bandwidth and storage space.



Without Smart Stream

In this scenario, Smart Stream auto mode saves 30% of the original bandwidth required, while the detail of moving objects is maintained.

3DNR

quality under low light conditions, keeping bit rate and system loading at a reasonable level.



Panoramic PTZ allows for the integration of a fisheye camera with a full HD speed dome, allowing users to simultaneously monitor an overview from a fisheye camera while being able to take advantage of the optical zoom capabilities of a speed dome. This combination is perfectly suited for surveillance of wide, open areas where both views are required for effective monitoring.



Fisheye





10 - Original surround view from fisheye camera **1P** - Panoramic view from fisheye camera 1R - Regional view from speed dome



3DNR On

Smart IR

When the Smart IR function is enabled, the camera automatically adjusts the IR lighting intensity in order to avoid overexposure in night mode and is highly beneficial in capturing usable video when the object of interest is close to the camera and IR LEDs.



Smart IR On

Smart Stream - Auto Mode

3-Dimensional Noise Reduction technology operates in both spatial and temporal domains to suppress signal noise and generate good image

3DNR Off

Smart IR Off

Remote Focus

To improve ease of installation and image adjustment, cameras with Remote Focus have lenses with built-in stepper motors, which can be used to remotely control the focal length and precisely adjust focus of a camera.



Focus Assist

An installer can use the Focus Assist tool by pressing the button to bring up a display which helps to hone in on the best focus value.



The best focus value

Cropping & ePTZ

Cropping allows the camera to crop unnecessary information and simply transmit the video of the target region for live viewing or storage. ePTZ, also known as electronic pan/tilt/zoom, enables users to quickly move to a target area for close-up shots by simply clicking on the video screen. By cropping the image, the transmitted data size and the network load are reduced, and thus a higher frame rate is obtained. By encoding and transmitting simply the images of the regions of interest (ROIs) rather than the entire pictures in megapixel resolution, cropping and ePTZ allow for more efficient bandwidth usage and storage space.



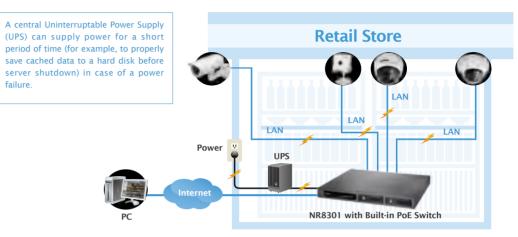
Cropping

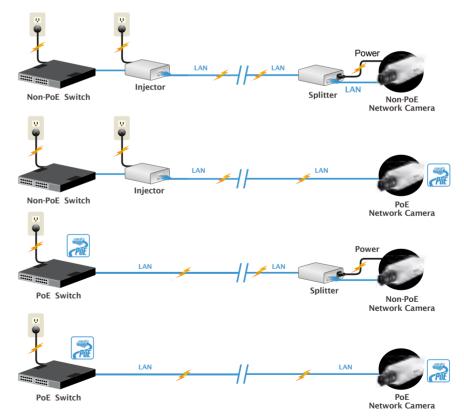
ePTZ

PoE

failure.

Conventional network cameras require a power cable for supplying power and an Ethernet cable (Cat-5 or above) for data transmission. PoE (Powerover-Ethernet), developed by the IEEE 802.3af task force, enables power to be supplied over an Ethernet cable, and thus eliminates the use of a separate power cable. By connecting a PoE-supported camera to a PoE switch, additional power cabling is rendered unnecessary. In the IEEE802.3af standard, a device that supplies power is the power sourcing equipment (PSE), which can be a PoE-enabled switch (or endspan) or an injector (or midspan). A device that is fed with power is called a powered device (PD). A PSE can provide a voltage of 48 volts with maximum current of 400mA and maximum output power of 15.4 W per port. IEEE has developed a new IEEE 802.3at standard, known as PoE+ or PoE plus to provide maximum output power of 30 W - 60 W.





Connection of PoE and Non-PoE Network Cameras

PoE-enabled Devices for a Retail Application

Retail Application

Most major losses in retail environments are due to shrinkage from customer and employee theft. VIVOTEK offers a comprehensive range of network cameras, including panoramic models, that provide comprehensive intelligence for retail. In addition to security, IP cameras are typically integrated with POS or business analytics to further reduce theft and enhance business efficiency.

Supreme Night Visibility (SNV)

SNV stands for Supreme Night Visibility. VIVOTEK SNV-label products incorporate carefully selected quality optical components and sophisticated image signal processing algorithm to reproduce high quality color image while lighting is insufficient.

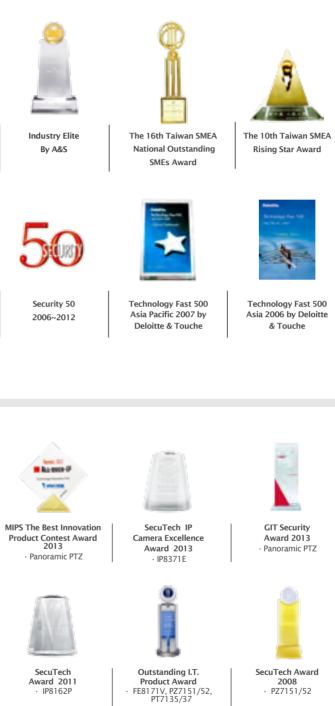








Global Awards







Symbol of Excellence Winner IP7138/39

Best of Taiwan's Best Award Winner · IP7135/37



Industrial Technology Advancement Award-Excellent Award



Technology Fast 50 Taiwan 2006 by Deloitte & Touche



I.T. Month Outstanding I.T. Elite Award



VIVOTEK Ranks 14th Among Taiwan's Top 50 Performers

PZ7151/52



SecuTech Award 2007 · IP7138/39



Symbol of Excellence Winner Panoramic PTZ
 CC8130

The 14th Taiwan

SMEs Innovation Award · IP7138/39

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TAIWAN EXCELLENCE

Symbol of Excellence Winner • PT7135/37 • IP7135/37



CPS Top 10 Innovative Security Product Award IP7142, IP7151, SD7151



Symbol of Excellence Winner FD8136, FE8171V, FD8134, IP8151



GIT Security Award 2009 • IP7142

A Crystal Ball to Secure Your World.

- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing (FE8174V) • ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage • Pixel Calculator for Image Clarity Measurement



FE8174/FE8174V Fisheye Network Camera

• 5-Megapixel CMOS Sensor

• 30 fps @ 1080p Full HD

• 1.1 mm Fisheye Lens for 180° Panoramic View and 360° Surround View Removable IR-cut Filter for Day & Night Function

• EN50155 Compliance for Professional Mobile Surveillance

• Support Local or Client Side Dewarping

VIVOTEK Solution Integration Alliance

The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution. The SIA Program provides programmable Software Development Kits (SDK) to allow partners to develop customized features on an open platform, allowing the highest possible level of integration. VIVOTEK also provides technical support throughout the development process. Find out more about enrolling in the VIVOTEK SIA Program, please email sia@vivotek.com for more information.



Global Success Stories





India **BPCL** Gas Station 1,000 PCS

Thailand Siam Paragon Shopping Mall 1,000 PCS

(CRH



China Zhengzhou-Xi'an High Speed Railway 2,048 PCS

China College Entrance Exam 18,000 PCS



Italy Rome Fiumicino University Entrance Exam 3000 PCS Airport 300 PCS



Russia

48







Taiwan Taipei City Surveillance 14,000 PCS



Mexico & Brazil Mexico City & São Paulo Metro 1,950 PCS

Iran BMI Bank 1,005 PCS



France McDonald's 300 PCS



France Accor Hotel 300 PCS

VIVOTEK

- 360° Surround View
- Optical Zoom
- Full HD Clarity
- Auto Tracking
- Extra-smooth PTZ

No More Blind Spots 360° Seamless Surveillance Solution

Panoramic PTZ





Do you know chameleons have a full 360-degree arc of vision around their bodies?

VIVOTEK Panoramic PTZ makes it the same. It synchronizes a megapixel fisheye camera with a speed dome camera. Thus when you monitor a surround view from a fisheye model, you can also enjoy a detailed full HD view from a speed dome with ease.



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