



16CH Standalone DVR

PVH-AH264

INSTRUCTION MANUAL

Chapter 1 System Specification

This model is a new generation embedded DVR system. This system is using the most advanced H.264 compression technique. This technique not only holds the best recording quality and high compression rate. Under the same hard disk sizes, it can save longer video images and audio sounds.

This model embedded System uses the super high speed DSP IC (Digital signal Processor) for its center of compression. It records by using hardware images compression, of this, it can reach a maximum 30fps (NTSC) or 25fps (PAL) recording speed per channel. Playback of the recording is using the same technique to reach its most efficiency.

1.1 System Hardware Specification

1. Video In (BNC Jacks): 16 BNC Video In Jacks
2. Audio In (RCA Jacks): 4 RCA Audio In Jacks (Optional 16 RCA Jacks)
3. Monitor Output: 1 BNC Jack
4. Audio Out: 1 earphone output Jack
5. VGA Output: Supports standard VGA D-SUB output jack. Resolution 1024 x 768 at 75Hz.
6. Alarm Input (Optional): 4 input terminals, Detectable loop circuit open / short.
7. Relay Output (Optional): 4 Output control terminal, AC 125V/12A; 250V/7A; DC 30V/7A
8. Hard Disk: Support 2 IDE Hard disk
9. Backup Function: Supports 2 USB, to connect to USB disks.
10. Ethernet: RJ45 (100/10Mbps Ethernet)
11. Power: AC115V/60Hz/4A, 230V/50Hz/2A (Typical)
12. Weight: 4.5Kg / 5.5Kg (Net /Gross Weight)
13. Size: 20.5cm x 34cm x 19cm (Length x Width x Depth)

1.2 System Function Specification

1. Technology: H.264 Hardware real time compression /decompression
2. Resolution: 704 x 480 (NTSC) / 704 x 576 (PAL)
3. Monitoring Speed: 16 channels 480 fps(NTSC) / 400 fps(PAL)
4. Recording Speed: 240_{MAX} ~ 200_{MIN} fps(NTSC)/ 200_{MAX} ~ 167_{MIN} fps (PAL)
5. Image Compression Rate: Dynamic Compression Rate = 40:1~240:1 (Automatic Changes depends on the image's moving situation). Average Dynamic Compression Rate: 40 : 1~2400 : 1
6. Recording Quality: 10 Levels Adjustment available
7. Audio Recording: 24Kbps ADPCM recording mode. Synchronize with Video Recording.
8. Live Audio Monitoring: Support Live Audio Monitoring.

9. Monitor Display: Full Screen, 16 split window display, 8 split window display, auto scan, 4 split window display at 2/4 pages auto scan and 8 split window display 2pages auto scan
10. Internet Function: Supports TCP/IP functions. Supports Internet / LAN remote monitoring.
11. Multi-task Capability: Supports Recording, Playback, Remote Monitoring and Live Monitoring at the same time.
12. Sensor Input Trigger Alarm
13. Video Lost Trigger Alarm
14. Motion Image Trigger Alarm (maximum of 4 motion detection areas per channel)
15. Alert Alarm: Sound Alert and relay output
16. Alarm Record Function: The system will start recording with 3-5 seconds pre-alarm after alarm triggered.
17. Alarm Log: Record the alarm activated time, alarm source, also select the time from the alarm log directly for playback.
18. Playback (Search) mode: Playback directly by selected time, search by saved time log, and by alarm log.
19. Playback Speed mode: Fast Speed forward x2, x4, x6, and x8. Slow Speed forward /2, /4, /6, /8. Single frame playback, Paused, Forward Skip Playback, Reverse Skip Playback.
20. Playback Display: Full Screen display, 4 split windows display.
21. File Backup Function: Supports USB disk for backup, or retrieving files from appropriate remote software.
22. Playback backup files: Playback using Lilin Player (V5.4 or above) directly from a computer.
23. Remote monitoring software: Installed LilinRT4 (V5.0 or above) on a PC for Remote monitoring or recording.
24. Firmware Update: Firmware update available from our website update/ add / alter the software through USB devices.

1.3 Package Content

Please be cautious when opening up the package to avoid damage to the system.

1. One DVR System
2. One Power Cable and IDE Cable
3. One User's manual
4. One CD-ROM
5. 2 IO connections Jack. (Optional with VGIO)
6. Connection cables: 4* BNC jacks video connection cables. 1* RCA jacks audio connection cables. (Extra audio connection cables are optional).