



E Series Hybrid DVRs

16CH E5016H & 8CH E1008H

The AVer E series embedded Linux full HD hybrid DVRs lead the way for a new generation of high performance, cost-effective surveillance recorders, designed to achieve exceptional image quality and excellent reliability. The E series hybrid DVRs support up to 5 megapixels per channel and work seamlessly with thousands of camera models. They offer excellent preview performance and an impressive throughput rates, recording all channels using tri-codec compression.



Seamless camera integration

The E series hybrid DVRs are fully integrated with AVer IP cameras to fulfill its vital role in AVer's smart surveillance solution. With plug and play support, setup of AVer IP cameras is fast and hassle-free, and advanced camera features, like Smart Stream, Region of Interest, motion detection, can all be set directly via the DVR. With Intelligent Streaming, preview from AVer IP cameras is significantly boosted, allowing for real-time preview for all channels.



Expandable storage

The ultra-compact E1008H, designed for smaller projects, can be outfitted with a built-in HDD, additional storage space can be achieved through the e-SATA port. The E5016H, recommended for medium to large scale applications, comes equipped with 4 removable HDD trays and internal RAID support (level 0, 1) to enhance data storage efficiency and reliability.



Standardized intuitive GUI

The inventive, user-friendly design of the E series' graphical user interface (GUI) aims to make hybrid DVR setup as convenient as possible, with hierarchical, tree view camera listings, simplified click-and drag preview selection, as well as a set of built-in smart tools like resolution manager and HDD calculator. Moreover, the user interface is standardized for local sites (hybrid DVRs) and remote sites (CM5000), significantly reducing training time and related costs.



Easy POS integration

The E series hybrid DVRs support easy point of sale (POS) integration, allowing users to connect POS systems without any additional data processing devices. With POS integration, live transaction data is overlaid onto live camera images, facilitating quick review and analysis of items sold through keyword filtering.



Remote management

The E series hybrid DVRs come equipped with a bundle of remote access applications and management software. The CM5000, AVer's next generation of central management software (CMS), offers full remote control over hybrid DVRs and enhanced functionality. AVer's AndroidViewer and iViewer mobile access applications help managers and others to stay on top of events in today's dynamic business environment.

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| | E5016H | E1008H | |
|--------------------------|-------------------------|---|--|
| system | | | |
| operating system | embedded Linux | | |
| total channel number | 16 | 8 | |
| max. IP camera input | 16 | 8 | |
| max. analog camera input | 16 | 8 | |
| performance | | | |
| display (analog) | 480 / 400fps (NTSC/PAL) | 240 / 200fps (NTSC/PAL) | |
| display (IP) | 2M @ 120fps | 2M @ 80fps | |
| recording | compression | H/W H.264 | |
| | resolution | NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1) | |
| | frame rate (NTSC/PAL) | CIF: 480 / 400fps Half-D1: 480 / 400fps D1: 480 / 400fps | CIF: 240 / 200fps Half-D1: 240 / 200fps D1: 240 / 200fps |
| recording (IP) | resolution | up to 5 megapixels for one channel, and a total of 32 megapixels for all channels in H.264 / MPEG-4 / MJPEG format | up to 5 megapixels for one channel, and a total of 16 megapixels for all channels in H.264 / MPEG-4 / MJPEG format |
| throughput | | 120 Mbps | 60 Mbps |
| storage | internal HDD capacity | 4 SATA HDDs (4 removable HDD trays) | 1 SATA HDD |
| | internal RAID support | yes (level 0, 1) | - |
| | external HDD support | e-SATA HDD or RAID x 1 | e-SATA HDD x 1 |
| backup | internal DVD-RW | - (supports external DVD-RW) | |
| interface | | | |
| monitor | VGA output | 1 (1920 x 1080) | |
| | HDMI output | 1 (1920 x 1080) | |
| | TV output | 1 (supports hybrid multi-quad output) | |
| | spot output | 1 (supports hybrid full screen output with triggered alarms) | - |
| audio | input | 16 line-in, 8KHz sampling rate | 8 line-in, 8KHz sampling rate |
| | output | 1 line-out | |
| MIC | input | 1 line-in | |
| alarm | sensor (alarm) input | 16 input voltage: max. DC 6V | 4 input voltage: max. DC 6V |
| | relay output | 4 (NO/NC) voltage range: AC 125V / DC 30V switching current: max. 1A | 2 (NO/NC) voltage range: AC 125V / DC 30V switching current: max. 1A |
| network | Ethernet (RJ45) | 2 (10/100/1000 Base-T) | |
| | e-SATA | 1 | |
| ports | RS-232 | 1 (D-sub 9 pins, male) | - |
| | RS-485 | 1 set (Tx+, Tx-, Rx+, Rx-) | |
| | USB 2.0 | 3 (2 ports on front panel, 1 port on rear panel) | |
| general | | | |
| electrical | power input | 120W power adapter, DC 19V | 48W power adapter, DC 12V |
| environmental | operating temperature | 0°C ~ 40°C | |
| | operating humidity | 90% RH | |
| mechanical | dimensions (W x H x D) | 430 x 105 x 410 mm | 245 x 50 x 160 mm |
| | weight (net) | 8.2 kg | 0.8 kg |

