CAPABILITIES

EH5116 Pro Hybrid Video Surveillance DVR

Linux + Hybrid!

DVRs with a new perspective!

Key Points:

- Embedded Linux
- 16 Channel, True Hybrid DVR
- Graphical User Interface – **World's First in a Linux System!**
- Adjustable Frame Rates and Resolution on Every Channel (Analog Cameras Only)

The AVerMedia EH Series are DVRs with a new perspective on video-surveillance. They are the world's first systems to fuse reliability with efficiency, by integrating an embedded Linux Digital Video Recorder (DVR) with a Graphical User Interface (GUI). The units are built with Linux dependability for optimum DVR performance and consistent delivery of high-quality surveillance video.

They are equipped with a Graphical User Interface (GUI) that minimizes training time while maximizing user effectiveness. The unprecedented visual layouts and intuitive controls offered by the EH Series, ensures that users can simply point-and-click to see who's at the front door, search through alarms for the week or take immediate command of an unraveling event!

Another key feature of the systems is the ability to adjust the frame rates and resolution individually for each of the units' 16 channels. Using the new adjustable settings, vulnerable areas like entry ways, can be set to real-time frame rates with D1 resolution while non-vital areas are set to CIF resolution and lower frame rates.
Now the user, not the system, has control over bandwidth, storage and image clarity!

SPECIFICATIONS

EH5116 Pro Detailed Specifications

Front Panel Connections	
Front panel controls	Jog Shuttle, Function Keypad, PTZ Controls, Power Sw Extender, LCM Display
DVD writer	Included, supported medias: DVD±R, DVD±RW
USB 2.0	2

Rear Panel Connections	
Video Inputs (analog)	16 - Looping, BNC connectors
Video Inputs (IP)	16 video H.264/MPEG4/JPEG data streams
Video Output	1 - VGA out
Audio Input/Output	16/1
Microphone Input	1
Alarm Inputs/Relay Outputs	16/4
E-SATA	1
USB 2.0	2
Communication	1x - RS232, 1x - RS485
AC Power	Power supply; 100-240 VAC 50/60 Hz

Unit		
Operating system		Embedded Linux
Compression (analog)		MPEG4
Video Format	Analog	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D
	IP	Up to 1920X1200/CH, 16th CH up to 3 megapixel
Recording Rates	Analog	Individually Adjustable (0 - 30fps for analog inputs)
	IP	Per camera specifications
Storage	Capacity	Supports 4 SATA HDD (1 Front Removeabl and 3 Inter
	eSATA	1 eSATA connector, Support eSATA RAID
Communication Ports	RS 485	1, Terminal block, Tx+, Tx-, Rx+, Rx-
	RS 232	1, 9 Pin, Male
Networking		1x - 10/100/1000 Base-T Ethernet, RJ-45
Supported IP cameras (support IP PTZ, IP IO, & IP audio if IP cameras built-in)		AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTi, D-Link, PiXORD, PELCO, Apron, Lilin and more
Operator Interface		USB mouse, USB PC keyboard, Remote controller (supports optional IR extension cable)
Browser/Remote Client		MS Internet Explorer 6+, Windows 2000, XP, VISTA

Within the Recording Rates row:

		CIF	480
Half-D1	240
D1	120

Mechanical	
Dimensions (H x W x D)	4.3x16.9x16.5in
Weight	16.5 lbs (not including optional HDD)
Rack Mountable	Optional rack ears

Software	
Interface	Graphical user Interface (world's first in Emb. Linux)
Account Administration	Up to 32 accounts with configurable user privileges
Camera Administration	Individually adjust fps/resolution per analog camera
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Sp point, Autopan
De-interlace options	Optimize for dynamic or static analog camera scenes
Playback Administration	Playback while recording or setup
	Play, rewind, fast-forward, frame-by-frame control
	Digitally zoom to specific regions on recorded video
	Export single frame to .jpg, export video clip to .DVR
Motion Detection	Configurable to sense mass/motion; can partition off a monitoring regions from motion triggers
Event Recording	Schedule: Continuous, Smart, Motion, Alarm, Manual
Video Event Search	Visual Search, date/time, camera, event & log files
Advanced Event Log	Full event, operation, system & network activities log
Alarm Notifications	Launch or send E-map, relay, video capture, CM3000 or E-mail notification
E-map Display	Positions of cameras, sensors, relays and event status
iEnhance	Enhance video quality such as Brightness/Contrast/ Hu Saturation/ Sharpness/ Noise Reduction/De-interlace/ of recorded video
iStable	One-click fix for shaky video caused by camera moven as wind or vandalism)

Remote Management	
Central Management	CM3000 software - supports up to 1000 DVRs
Remote DVR connectivity	WebViewer (MS Internet Explorer only), Remote Conso JavaViewer, PDAViewer
Dispatch Server	Balance NVR communication for added client access a data transfer speeds
DDNS	Allow remote clients to search dynamic servers withou enquiring for server's IP address

Environmental		
Temperature	Operating	32 ° to 104 °F
	Storage	-22°F to 140 °F
Relative humidity	Operating	50%-80%
	Stored	90%

Regulatory	
Emissions	FCC: Part 15, Class A

Warranty
2 Year Limited Parts and Labor

RECOMMENDATIONS

EH Series Hardware Recommendation List

Note: We highly recommend not applying the Samsung Hard disk drive to the SA/XR/EXR DVR products for recording or backing up video files.

SATA HDD

Brand	Model	Capacity
Hitachi	HDT725050VLA360	500GB
Seagate SV35.3	ST31000340SV	1TB
Seagate SV35.2	ST3500630SV	500GB

PTZ Camera   (visit our website support/download page for a complete list)

Brand	Product Number
AmericanDynamics	UltraS - all products
Canon	VC-C4R
CD55	all products
DiGiDome	DRX -502A (DOH-240)
DMP23-H2	DMP23-H2
DynaColor	All products
Eastel	all products
ELMO	PTC -200C
Fastrax II	HID-2404
JVC	TK-C676 / TK-C675
Lilin	PIH 717X / 7000 / 7600 / PIH 7622/ 7622DH / 7635DH
MD101	all products
MicroJack-P	all products
NiceCam	all products
Panasonic	WV-CS850 / WV-CW860 / WV-CS950 / CS850B / CW860A / WV-CZ352
Pelco	Pelco-D/ Pelco-P
Philps	TC8560, TC700
SamSung	SCC-641
Sony	15-CZ45-1 /EVI-D70P
Yoko	all products

Raid System

Brand	Product Number
Stardom	SR3610-2S-SB2
AVerDigi	RA4000e

PDA Basic requirement

Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: MS Window Pocket PC 2002/2003 or Mobile 5 and above.
3. GPRS or WLAN module is recommended.

Symbian Smartphone Basic Requirement

Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. OS:Symbian Smartphone
2. The OS needs to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN, etc is required.

*Hardware recommendations are the minimum required hardware specifications for running our systems and not a guarantee to achieve the best performance of our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subjected to different system settings and operation conditions.