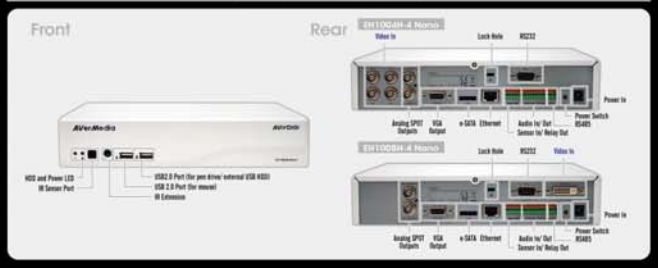
Detailed Specifications

Product Name	EH1004H-4 Nano	EH1008H-4 Nano
Operation System	Embedded Linux	
Video Inputs	4CH Analog: BNC connector in rear panel IP: Support up to 4CH	8CH Analog: BNC connector via DVI cable IP: Support up to 4CH
Video Compression (Analog)	H.264	
Video Streaming Format (IP)	H.264/MPEG4/ MJPEG	
Video Output	VGA out x 1	
Analog SPOT Outputs	2 (Independent 1CH SPOT output)	
Recording Frame Rate (Analog)	CIF: 120/100 fps Half D1: 120/100 fps D1: 60/50 fps	CIF: 240/200 fps Half D1: 120/100 fps D1: 60/50 fps
Preview Resolution	1024 x 768	
Audio Inputs	4 (Can be used in different channels)	
Audio Output	1	
Connectors		
Ethernet	1, 10/100 Base-T, bandwidth-limited	
RS 485 Port	1	
RS 232 Port	1	
e-SATA Port	1 (Support e-SATA RAID)	
USB 2.0	2	
Sensor In/ Relay Out	4/1	
Operator Interface	USB mouse, USB PC keyboard, Remote controller	
Remote Management		
Central Mnagement System	CM3000/ CM3000 Gold (Up to 1000 DVRs), Remote iMatrix, Remote Console	
Remote DVR Connectivity	WebViewer, JavaViewer, PDAViewer, SmartViewer, iPhoneViewer, iBlackberryViewer	
Unit Standards		
HDD	Internal 1 SATA HDD and 1 external e-SATA HDD	
Fan	Fan-less system	
Power Input	Power adapter; 12V DC	
Dimensions (H x W x D)	53 X 235 X 160 mm	
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)	

Specifications are subject to change without prior notice

Product Illustration



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AVerDiGi EH1000H-4 Nano 4/8CH H.264 Embedded Hybrid DVR

Cost-Effective Hybrid Surveillance Solution
Support up to 4CH IP Camera Inputs

Full range of support for major IP camera manufacturers in the market. Based on client's request, AVerMedia will be able to add new models into our support list

AVerMedia, ACTI, Arecont, ALPHA, Axinning, AMTK, APPRO, Arecont, Axonx, AVICO, AVTECH, AVE, AXIS, BASTER, Beward, BOSCH, CANON, CAMPRON, CNB, CYBER, Dentec, D-Link, Dynacolor, Elnovision, Eyeview, FUJI, FUNGI, HIKVISION, Hitron, Hunt, iLink, iCentral, Iregami, Iomega, IPD, iSenseon, JVC, Level-one, Lilin, Linksys, LG, Lumenera, Mesco, Mobotix, NipponSeiki, Pacid, Panasonic, Pelco, RIAR, Samsung, Sanyo, SPECO, Sony, TOSHIBA, TRUEN, Web, Weyland, VITOR, YOKO, Y-CAM, ZAVIO

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AVerMedia

Key Points

Hybrid DVR
Hybrid capability and compatibility with AVerDiGi IP cameras and all major brands of IP/analog cameras

Fan-Less System
Robust, compact, and fan-less design for space critical and noise sensitive applications

Megapixel Resolution
Supports IP cameras up to 1.3 MegaPixel with H.264/MPEG4/MJPEG video format on the first 4 channel and 2.3 MegaPixel with MJPEG video format on the 1st channel to provide users the dedicated image quality

POS Integration
POS Integrated on 4 channels along with POS database

VGA Output & SPOT Outputs
Support 1CH VGA output and 2CH analog spot-monitor outputs simultaneously

Remote Access
Remote Software Integration: CM3000/CM3000 Gold, Remote Console, WebViewer, PDAViewer, iPhoneViewer, iBlackberryViewer, 3GViewer, JavaViewer, HandyViewer, and SmartViewer

Application Diagram

Application on Small Enterprise and Retail Stores

Excellent video quality with IP camera for important area

Bridging branches, management center, and boss

Cost-effective hybrid solution with compact design

Key Features

EH1000H-4 Nano is a cost-effective H.264 embedded hybrid DVR. It supports up to 4 IP cameras with megapixel resolution and is compatible with AVerDiGi IP cameras and all major brands of IP cameras. GUI design and remote software, such as CM3000 Gold, WebViewer, PDAViewer, iPhoneViewer, and iBlackberryViewer, make surveillance more efficient and user-friendly.

RECORDING
- H.264 compression(analog) and support MPEG4/ MJPEG/ H.264 data streams from IP cameras
- Recording rate: Up to 240/200 fps (CIF), 120/100 fps (Half D1), 60/50 fps (D1)
- Two types of de-interlace method: optimized for static scene or dynamic scene
- Motion Detection/ Always / Motion / Smart / No recording
- Video mask – prevent high activity regions from triggering motion based recording
- Auto recycling when storage disk is nearing full
- Live HDD size estimation tool

REMOTE MONITORING
- Simultaneous multiple remote live/record video
- 4 sensors in/1 relay out
- Totally command of up to 1000 remote systems with CM3000 Gold Central management System

E-map
- E-map showcasing camera, sensor, and relay positions
- Enabling to extend up to 8 maps

Alarm/Notifications
- Starting video recording on multiple cameras
- Sending footage to spot monitor
- Enlarging triggered video
- Turn relay on (light switch, alarm, etc.)
- Launching the triggered channel's corresponding E-map
- Sending emails and video to Central Management System

DISPLAY
- Display rate: Up to 240/200 fps (NTSC/PAL)
- Up to 8 channel video inputs/ 1 channel audio output
- Auto scan with full screen display under 1, 4, 8, 9-camera display modes

FORENSICS

Search
- Defined parameter search by date, time, camera, area, event, and log file
- Easy retrieval and playback of footage by "Bookmarking" significant segments

Playback
- Real-time playback without having to disable recording/network functions
- Complete playback control: playback, backward playback, fast forward/ backward playback, forward/ backward frame-by-frame playback

Backup
- Easily export/backup to flash memory, RAID, External HDD and internal SATA HDD by channels and hours
- iBackup software ensures easy backup and playback
- iEnhance provides highest-level video quality

VIDEO FEATURE
- A DVR embedded with Linux operation system
- Featured hybrid DVR to support up to 8 channels IP and/or analog cameras (IP camera input: Max. 4CH)
- IP/Analog PTZ camera supported and available for adding new protocols
- Video format: NTSC/ PAL
- Support 1024 x 768 resolutions (NTSC/PAL)
- Support static as well as dynamic de-interlacing for smoother graphics

USER ACCESS
- Setup as many users as you like with their own individual passwords
- Each user can be pre-configured to perform only certain actions (e.g. access specific cameras remotely)