



## AVer™ DiGi EH1000H-4 Nano 4/8CH H.264 Embedded Hybrid DVR

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



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

AVerMedia, ACTi, AirLink, ALPHA, ALinking, AMTK, APPRO, Arecont, Asoni, AVICO, AVTECH, AVS, AXIS, BASLER, Beward, BOSCH, CANON, CAMTRON, CNB, CYNIX, Dentec, D-Link, Dynacolor, EtroVision, Eyeview, FLIR, FUHO, HIKVISION, Hiltron, Hunt, iLink, iCanTek, Ikegami, Imimage, IPD, IQinvision, JVC, Level-one, Lili, Linksys, LG, Lumenera, Messoa, Mobotix, NipponSeki, Pixord, Panasonic, Pelco, Promelit, Samsung, Sanyo, SPECTO, Sony, TOSHIBA, TRUEN, Veo, Vivotek, VITOR, YOKO, Y-CAM, ZAVIO



## 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

Supports one POS input and displays POS data on 4 channels simultaneously



### VGA Output & SPOT Output

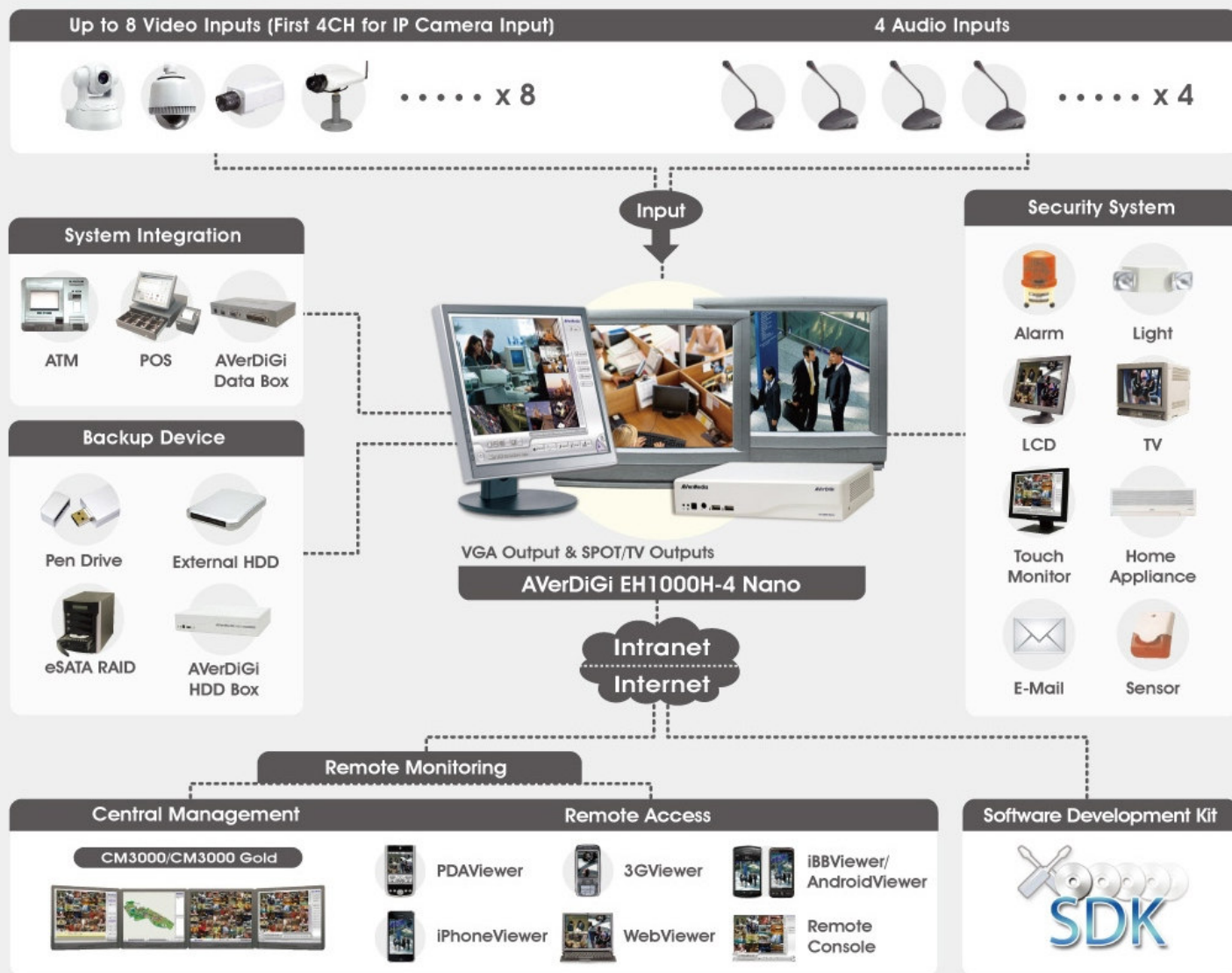
Support VGA output and analog spot-monitor output simultaneously



### Remote Access

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

## Application Diagram





## Applications to Small and Medium Enterprises, 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, IBBViewer, and AndroidViewer, 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

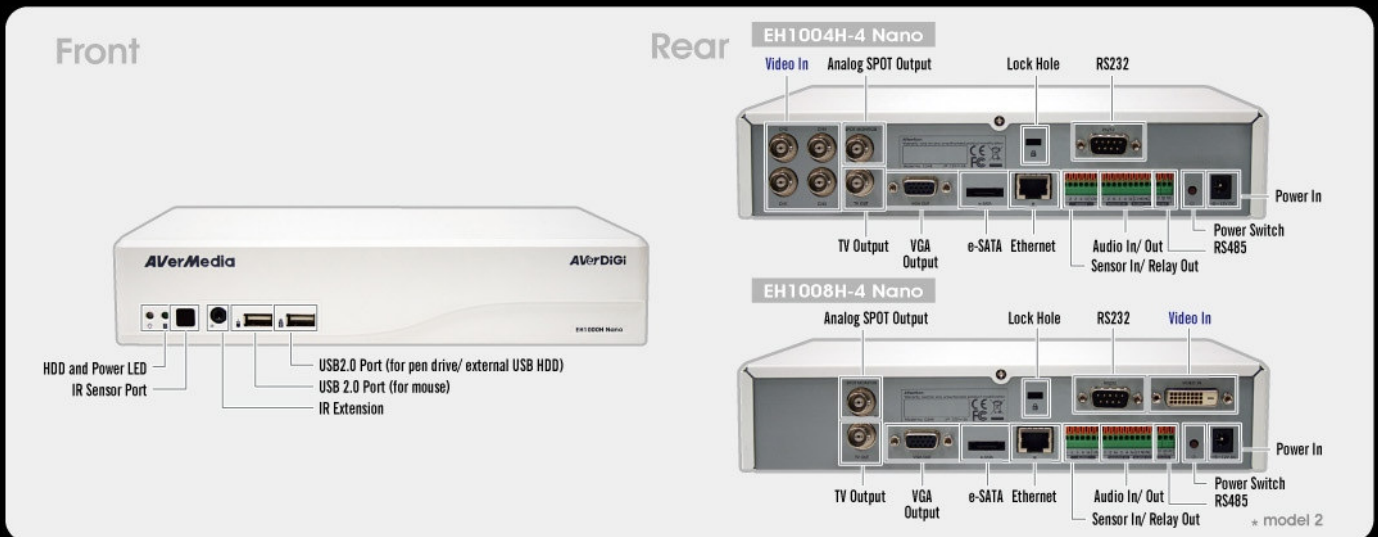
- Setup as many users as you like with their own individual passwords
- Each user can be pre-configured to perform only certain actions (e.g. access specific cameras remotely)

## 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 1,2 independent 1CH SPOT output (model 1) VGA out x 1,1CH SPOT output and TV-output (model 2)			
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 Mngement System	CM3000/CM3000 Gold (Up to 1000 DVRs), Remote iMatrix, Remote Console			
Remote DVR Connectivity	WebViewer, JavaViewer, PDAViewer, SmartViewer, iPhoneViewer, IBBViewer, AndroidViewer			
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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