



# AVer EH1000H-4 Nano Series

## 4/8/16CH H.264 embedded hybrid DVR

- Compact design for small to medium-sized businesses and retail stores
- 4/8/16CH video inputs support both IP and analog cameras that increases the flexibility to camera selection, and ease budget restraints
- Supports up to 4CH IP camera inputs for megapixel image quality in critical areas
- Embedded Linux operating system offers cost-effective yet reliable system performance without the worry of computer viruses
- Powerful advanced streaming technologies provide improved preview performance



### Compact hybrid solution for noise sensitive application

With a size equal to a paperback book, fan-less (4CH & 8CH) and mini-fan (16CH) designs, and a price that's just right for small to medium-sized businesses and retail stores, the EH1000H-4 Nano is the perfect choice for users looking to upgrade their existing security system while dealing with a tight budget and limited space.



### Advanced streaming technologies

With unique intelligent streaming technology for AVer SF1311 series IP cameras, users can enjoy the smoothest preview images by selecting a channel's compression type, frame rate and quality for both remote and DVR sites. The integrated dual streaming technology also optimizes streaming to remote sites by selecting frame rate and resolution when fully connected to analog cameras.

\*EH1004H-4 and EH1008H-4 support up to 2 channels intelligent streaming; EH1116H-4 supports up to 4 channels intelligent streaming

### Excellent POS integration

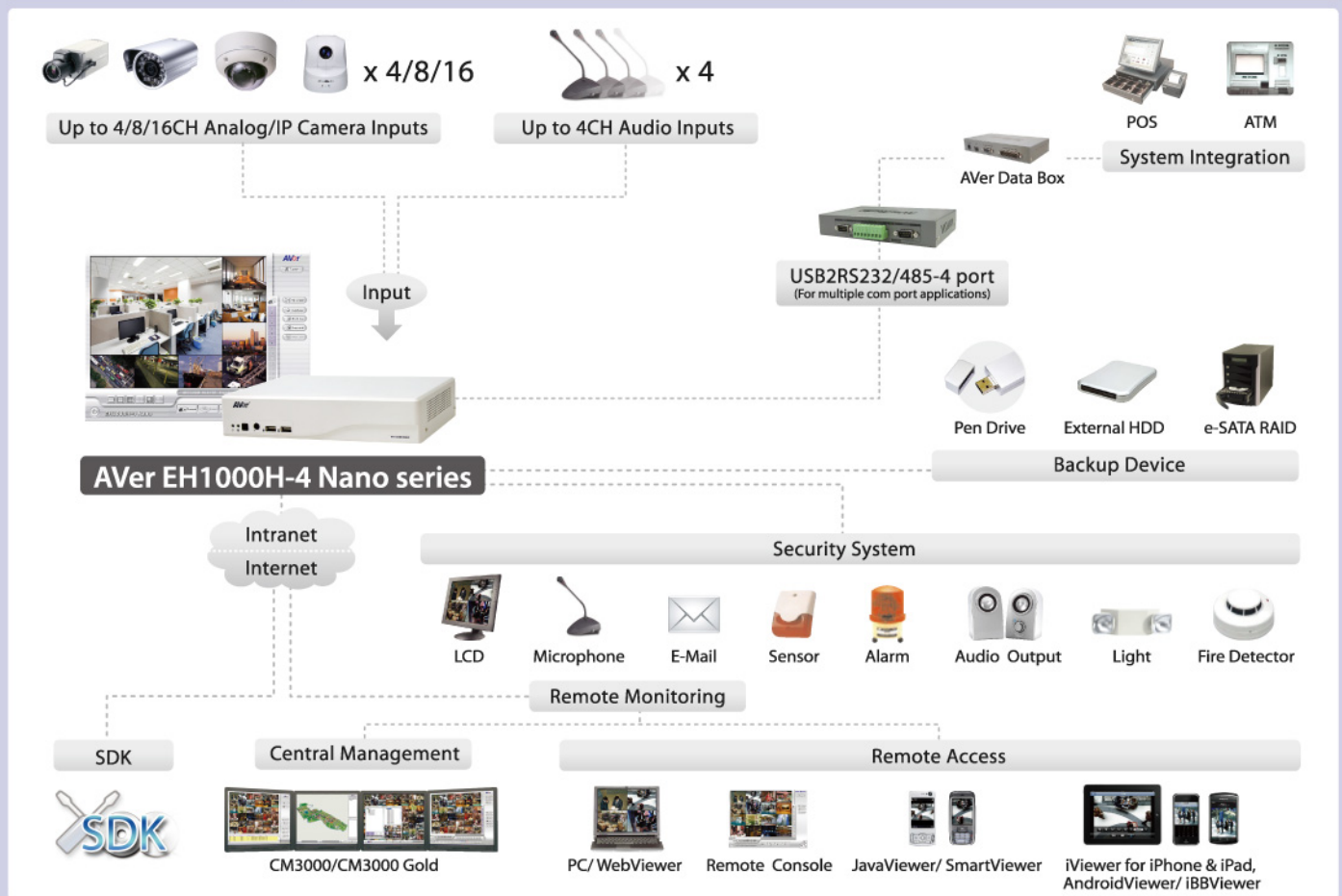
The EH1000H-4 Nano series is compatible with the most commonly seen POS systems on the market, using general POS protocol integration to easily add POS systems through the AVer Data Box. The EH1000H-4 Nano series can receive all transaction data from POS systems and overlay the POS text on live images with adjustable color settings.



### Remote software integration

The EH1000H-4 Nano series is compatible with AVer's CM3000/CM3000 Gold helping you to achieve powerful central management. The EH1000H-4 is also integrated with remote monitoring software, allowing users to exchange surveillance information easily between the control center, branch offices and the owner, plus view live video on popular mobile devices such as iPhones, iPads, Android phones, and Blackberries.

## Application diagram

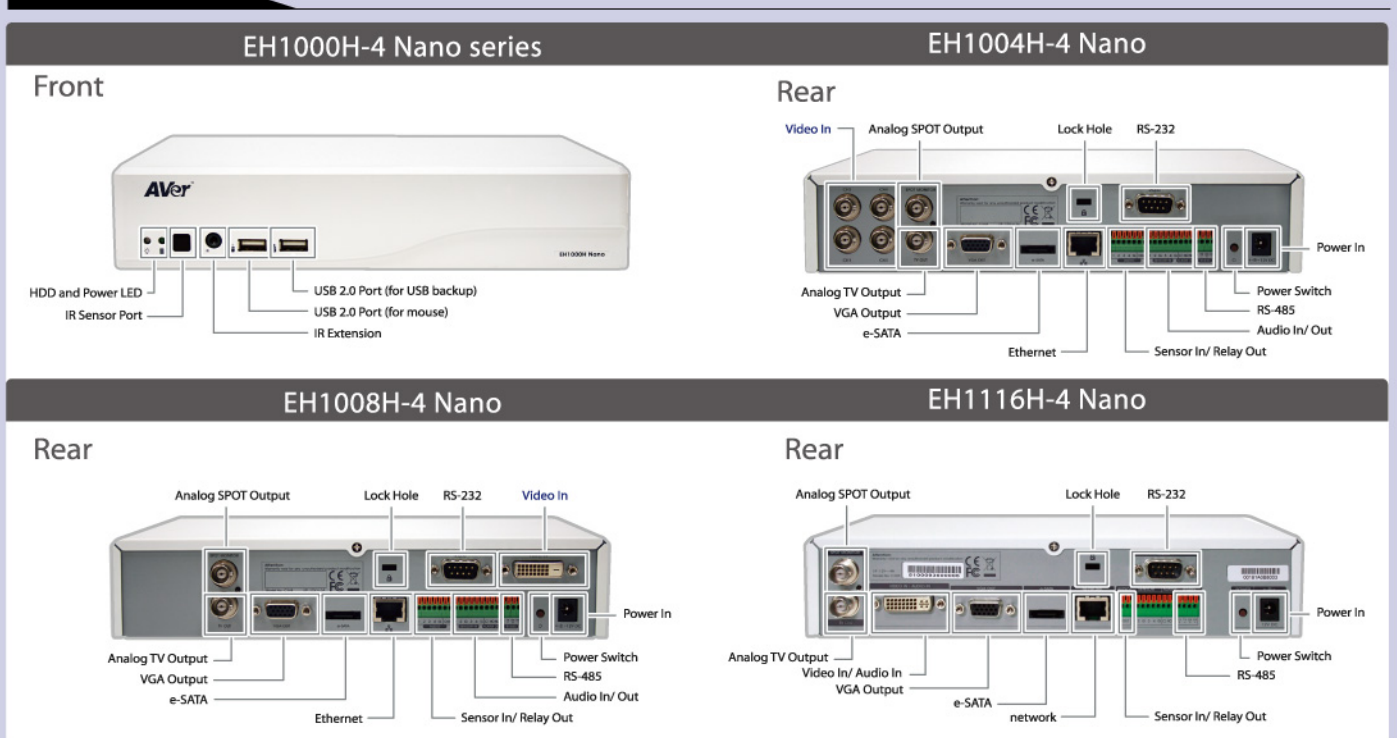


## Software functions

model	EH1004H-4 Nano	EH1008H-4 Nano	EH1116H-4 Nano
<b>local functions</b>			
IP camera auto search	yes		
recording modes	continuous recording/ smart recording/ motion recording/ alarm recording/ manual recording; all modes can be triggered by schedule		
de-interlace options	no	optimized for dynamic or static camera scenes	
motion detection	detects any kind of movements within the camera focus		
E-map function	8 maps and shows the positions of cameras, sensors, relays and triggered status		
PTZ control	direction, focus, zoom, speed, preset, group, autopan		
event search	by data/ time/ camera/ event/ log file		
bookmark	easily saves links to particular locations of recorded data and play them directly from the saved links		
watermark	embedded watermark at output clip file		
POS connection	2	5	
alarm setting	32 alarms		
alarm triggered modes	single event or multiple events as alarm trigger conditions: video loss/ motion detection/ sensor input/ abnormal event/ HDD fail		
smart alert functions	launch E-map/ 1-cam display/ Email/ PTZ preset point tracking/ start recording/ relay output/ enlarge camera view/ send video to CMS		
user accounts	32		
DDNS	allows remote clients to search dynamic servers without enquiring for server's IP address		
<b>remote functions</b>			
central management	CM3000 supports up to 16 DVRs; CM3000 Gold supports up to 1,000 DVRs		
remote access	WebViewer, PCViewer, Remote Console, JavaViewer, iViewer for iPhone & iPad, AndroidViewer, iBBViewer, SmartViewer		
remote setup	change server setting remotely		
remote backup	schedule or manual backup remotely		
iEnhance	enhance video quality such as Brightness/ Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/ De-interlace/ Gray Scale of recorded data		
iStable	fix shaking and jolts impact on video with just one click		

EH Nano vs. 1U standalone	noise		size	weight	shipping costs
		(4/8CH) 100%	(16CH) 40%	80%	70%

## Product diagram



## Product specifications

model		EH1004H-4 Nano	EH1008H-4 Nano	EH1116H-4 Nano
system		embedded Linux		
operating system		embedded Linux		
total channel numbers		4 channels	8 channels	16 channels
camera inputs (analog)		4 BNC connectors	8 BNC connectors	16 BNC connectors
max IP camera inputs		4		
composite video signal		1 Vpp, 75 Ohm		
<b>performance</b>				
recording (analog)	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: 120/100fps	CIF: 240/200fps	CIF: 480/400fps
recording (IP)	resolution	Half-D1: 120/100fps		
		D1: 60/50fps		
recording (IP)	resolution	up to 1.3 megapixels with H.264/MPEG4/MJPEG format on the first 4 channels and 2.3 megapixels with MJPEG format on the 1st channel		
display (analog)	frame rate (NTSC/PAL)	120fps/100fps	240fps/200fps	480fps/400fps
storage	Internal HDD capacity	supports up to 1 SATA HDD		
	external HDD	supports 1 external e-SATA HDD (up to 2TB)		
<b>interface</b>				
monitors	VGA outputs	1 (1024 x 768)		
	SPOT monitor outputs	1 SPOT output (full screen output from alerted analog cameras) 1 TV output (full screen output same as VGA video)		
audio	inputs	4 line-in, 8KHz sampling rate		
	outputs	1 line-out		
alarm	sensor (alarm) inputs	4 (input voltage: max. 6 VDC)		
	relay outputs	1 (NO/NC), voltage range: 125 VAC / 30 VDC, switching current: max. 1A		
network	Ethernet (RJ-45)	1 port (10/100 Base-T)	1 port (10/100/1000Base-T)	
connections	e-SATA	1 port		
	RS-232	1 (D-sub 9 pins, male)		
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)		
	USB 2.0	2 ports on front panel		
<b>general</b>				
electrical	power input	24W power adapter, 12V DC	48W power adapter, 12V DC	
	power consumption	max. 24W (with 1 HDD)	approx. 36W (with 1 HDD)	
environmental	operating temperature	0 °C to 40 °C (32 ° to 104 °F)		
	operating humidity	90% RH		
mechanical	dimensions (W x H x D)	245 x 50 x 160 mm		
	weight (net)	0.8kg		

Distributor/Dealer:



© 2011 AVer Information Inc. All rights reserved.  
No part of this document may be reproduced or transmitted in any form, or by any means without the prior written permission of AVer Information Inc. AVer Information Inc. reserves the rights to modify its models, including their characteristics, specifications, accessories and any other information stated herein without notice. The official printout of any information shall prevail should there be any discrepancy between the information contained herein and the information contained in that printout.  
"AVer" is a trademark owned by AVer Information Inc. Other trademarks used herein for description purpose only belong to each of their companies. (201107)

**AVer**<sup>™</sup>  
www.aver.com