![AVer logo]

ONVIF

HYBRID
H.264
LINUX
MEGA PIXEL
CMS

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, increasing camera selection flexibility and easing 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 series 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 IP camera series, users can enjoy the smoothest preview images by customizing 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 intelligent streaming channels; EH1116H-4 supports up to 4 intelligent streaming channels
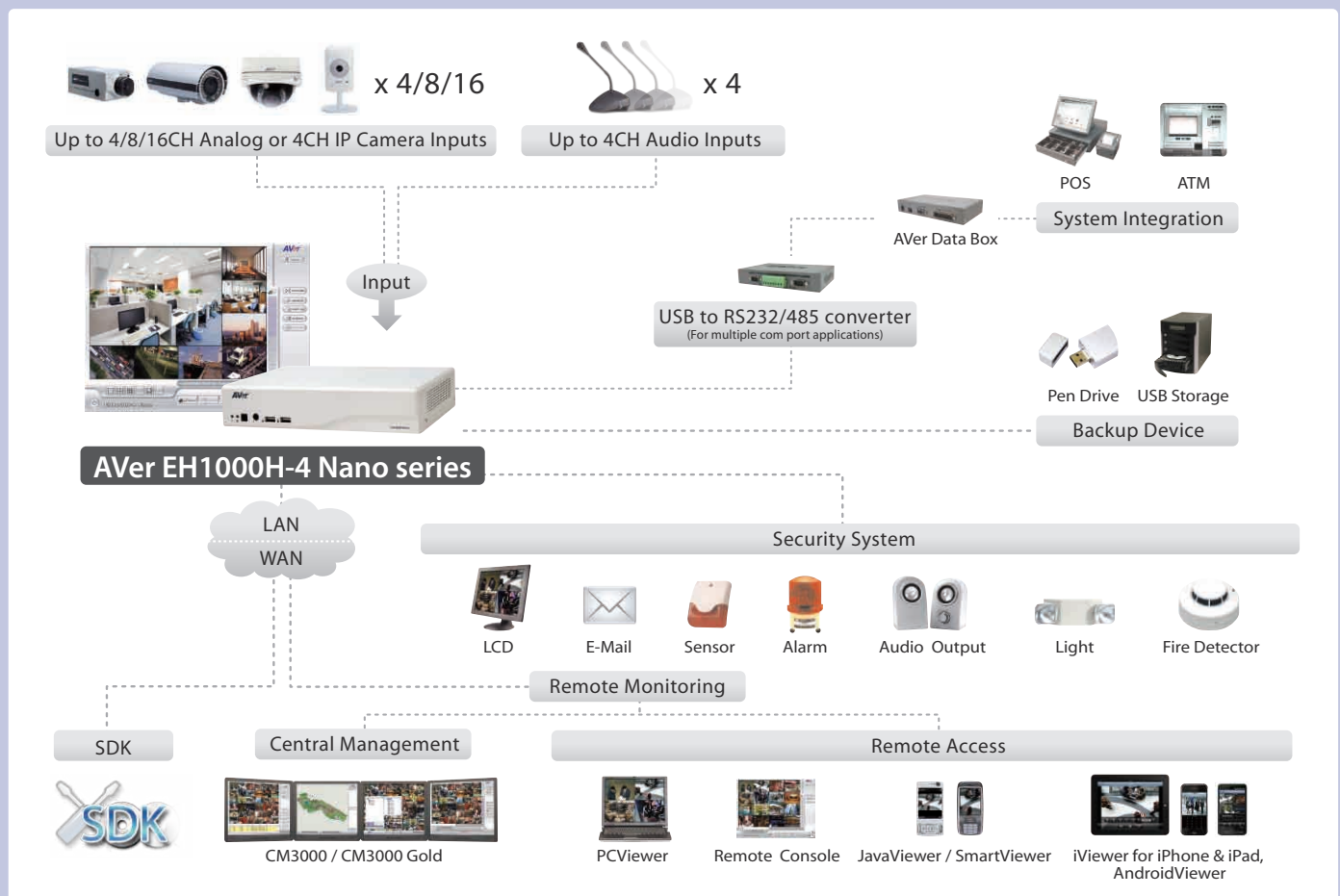
Excellent POS integration

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' compatibility with AVer CM3000/CM3000 Gold helps users to achieve powerful central management. Users can group and control up to 1,000 DVRs simultaneously at one centralized location and exchange surveillance information easily with branch offices and business owners, plus carry out 3GPP remote monitoring and control through popular mobile devices such as iPhones, iPads, and Android phones.
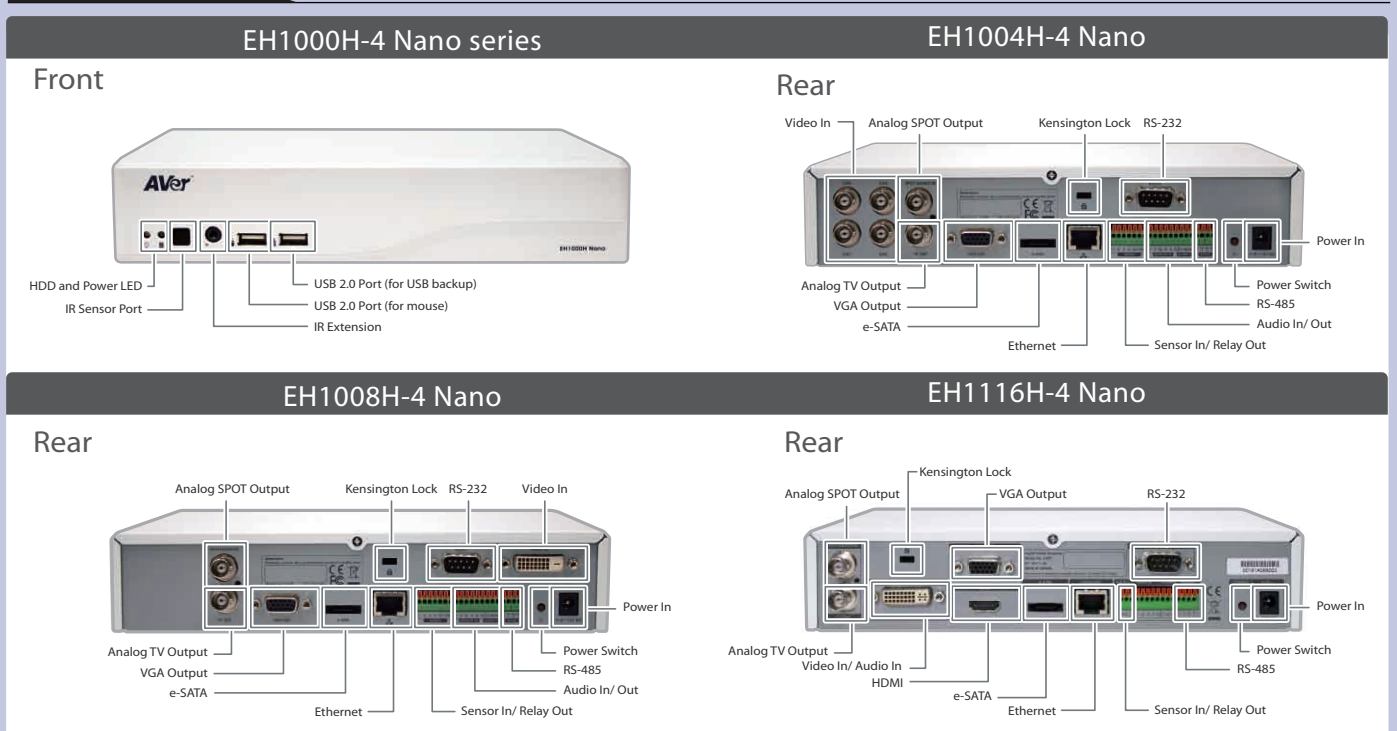
Application diagram

x 4/8/16

x 4

Up to 4/8/16CH Analog or 4CH IP Camera Inputs

Up to 4CH Audio Inputs

POS   ATM

System Integration

AVer Data Box

Input

USB to RS232/485 converter
(For multiple com port applications)

Pen Drive   USB Storage

Backup Device

AVer EH1000H-4 Nano series

LAN

WAN

Security System

LCD   E-Mail   Sensor   Alarm   Audio Output   Light   Fire Detector

Remote Monitoring

SDK   Central Management   Remote Access

CM3000 / CM3000 Gold   PCViewer   Remote Console   JavaViewer / SmartViewer   iViewer for iPhone & iPad, AndroidViewer

Software functions

model	EH1004H-4 Nano	EH1008H-4 Nano	EH1116H-4 Nano
local functions			
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	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 date / time / camera / event / log file		
visual search	no		yes
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 failure		
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		
remote functions			
central management	CM3000 supports up to 16 DVRs; CM3000 Gold supports up to 1,000 DVRs		
remote access	iViewer for iPhone & iPad, AndroidViewer, SmartViewer, PCViewer, Remote Console, JavaViewer		
remote setup	change server setting remotely		
remote backup	schedule or manual backup remotely		

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

Product diagram

EH1000H-4 Nano series

Front

HDD and Power LED
IR Sensor Port
IR Extension
USB 2.0 Port (for USB backup)
USB 2.0 Port (for mouse)

EH1004H-4 Nano

Rear

Video In
Analog SPOT Output
Kensington Lock
RS-232
Analog TV Output
VGA Output
e-SATA
Ethernet
Sensor In/ Relay Out
Power In
Power Switch
RS-485
Audio In/ Out

EH1008H-4 Nano

Rear

Analog SPOT Output
Kensington Lock
RS-232
Video In
Analog TV Output
VGA Output
e-SATA
Ethernet
Sensor In/ Relay Out
Power In
Power Switch
RS-485
Audio In/ Out

EH1116H-4 Nano

Rear

Kensington Lock
Analog SPOT Output
VGA Output
RS-232
Analog TV Output
Video In/ Audio In
HDMI
e-SATA
Ethernet
Sensor In/ Relay Out
Power In
Power Switch
RS-485

Product specifications

model		EH1004H-4 Nano	EH1008H-4 Nano	EH1116H-4 Nano
system				
operating system		embedded Linux		
total channel numbers		4	8	16
camera inputs (analog)		4 BNC connectors	8 BNC connectors	16 BNC connectors
max. IP camera inputs		4		
performance				
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
		Half-D1: 120 / 100fps		Half-D1: 240 / 200fps
		D1: 60 / 50fps		D1: 120 / 100fps
recording (IP)	resolution	up to 5 megapixels for one channel, and a total of 8 megapixels for all 4 IP camera channels in H.264 / MPEG-4 / MJPEG format		
display (analog)	frame rate (NTSC/PAL)	120fps / 100fps	240fps / 200fps	480fps / 400fps
storage	Internal HDD capacity	1 SATA HDD		
	external HDD support	e-SATA HDD or RAID x1		
interface				
monitors	VGA outputs	1 (1024 x 768)		
	HDMI outputs	no		1
	SPOT monitor outputs	1 SPOT output (full screen output from analog camera channels with triggered alarm) 1 TV output (full screen output same as VGA video)		
audio	inputs	4 line-in, 8KHz sampling rate		
	outputs	1 line-out		
MIC	inputs	no		
alarm	sensor (alarm) inputs	4		
		input voltage: max. 6 VDC		
	relay outputs	1 (NO / NC)		
		voltage range: 125VAC / 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		
	RS-232	1 (D-sub 9 pins, male)		
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)		
	USB 2.0	2 ports on front panel		
general				
electrical	power input	24W power adapter, 12V DC		48W power adapter, 12V DC
	power consumption	24W (with 1 HDD)		36W (with 1 HDD)
environmental	operating temperature	0°C to 40°C (32°F 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:

CE FC RoHS COMPLIANT

AVer™
www.aver.com