4-/8-/16-/32-Channel ENVRs

HEN04103L/ HEN08103L
HEN16103L/ HEN32103L

Introducing Honeywell's Performance Series Embedded NVRs, our newest affordable, fully-featured NVRs offer Ultra 4K HD video resolution. Choose between a 4-, 8-, 16- or 32-channel NVR, with multiple hard drive options and up to 12 TB of internal storage, for an ideal and flexible solution to fit your surveillance needs.

Fully-featured NVRs

- High decoding capability for Ultra 4K HD viewing and recording
- View 4/8/16/32 channels simultaneously with synchronized real-time playback on your monitor (depending on your model)
- Up to 8 MP (4K) resolution live view, preview and playback
- Up to 8 channels at 1080p H.265/H.264 decoding

Dynamic, Accessible Monitoring

- Mobile apps provide anytime, anywhere access for both Apple® and Android™ devices (smartphones, tablet computers, and laptops)
- Protect the NVR's video and network setup with password-protected access
- Conceal up to 4 areas of a scene from viewing and recording

Convenient, Flexible Storage Options

- Internal storage supports 2 HDDs expandable up to 12 TB (6 TB each)
- Store video clips and snapshots to external storage, such as the client's PC, through the Internet connection
- Store video clips and snapshots to external network storage servers, such as an FTP site
- Store video clips and snapshots to a USB memory device

HEN16103L/ HEN32103L

HEN04103L/ HEN08103L

Easy to Use

- The Quick wizard makes setup fast and easy
- Quick installations utilizing an intuitive NVR design and easy-to-understand quick installation guides
- Simple remote configuration and firmware updates through the Honeywell Viewer web client and the Honeywell Config tool

Market Opportunities

The flexible storage options, high recording and networking performance of the Embedded NVRs make these NVRs perfect for a wide range of security applications.
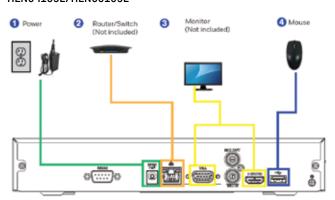
FEATURES & BENEFITS

These fully featured attractive cameras are perfect for outdoor installations that require excellent picture quality at minimal bandwidth while offering maximum protection against dust, dirt, and water. Boasting a sleek, modern design and offering two different lens options, the cameras are suited for a wide range of applications.
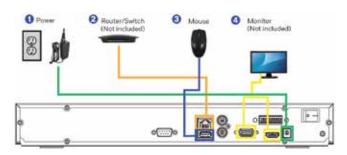
- H.265/H.264 codec decoding
- HDMI/ VGA simultaneous video output
- UL listed

- Supports up to 4 alarm input channels and 2 alarm relay output channels
- Supports sending notifications through email, FTP, and/or HTTP

- Supports recording a video clip of events for distribution
- Supports uploading still images at the time of the event through email and/or FTP

- Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering
- Maximum incoming bandwidth of 200 Mbps

- Supports visual or auditory notifications (a flashing light, bell, or siren)
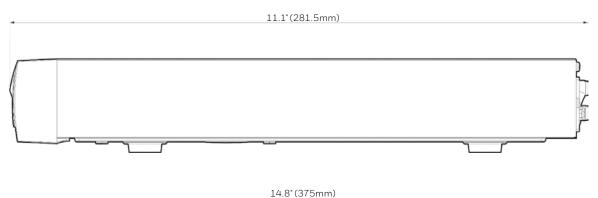- Supports Smart Face detection search

4-/8-/16-/32-Channel ENVRs

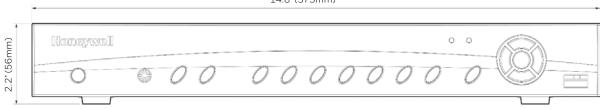## SYSTEM DIAGRAM

HEN04103L/HEN08103L

HEN04103L/HEN08103L

DIMENSIONS

HEN16103L/ HEN32103L

11.1" (281.5mm)

14.8" (375mm)

2.2" (56mm)

HEN16103L/ HEN32103L

10.2" (260mm)

1.9" (47.6mm)

8.9" (224.9mm)

1.9" (47.6mm)

4-/8-/16-/32-Channel ENVRs

TECHNICAL SPECIFICATIONS

OPERATIONAL	
MAIN PROCESSOR	Quad-core embedded processor
OPERATING SYSTEM	Embedded LINUX

VIDEO	
INPUTS	**HEN04103L:** 4 Channels IP **HEN08103L:** 8 Channels IP **HEN16103L:** 16 Channels IP **HEN32103L:** 32 Channels IP

AUDIO	
AUDIO INPUT/OUTPUT	1 Channel Input/1 Channel Output, RCA
TWO-WAY COMMUNICATION	Supported

OPERATIONAL	
INTERFACE	1 HDMI, 1 VGA
RESOLUTION	3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720;
DISPLAY SPLIT	**HEN04103L:** 1/4 **HEN08103L:** 1/4/8/9 **HEN16103L/ HEN32103L:** 1/4/8/9/16
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording

OPERATIONAL	
COMPRESSION	H.265/H.264
RESOLUTION	**8 MP** (3840 × 2160); **6 MP** (3072 ×2048); **5 MP** (2560 × 1920); **4 MP** (2560 × 1440); **3 MP** (2048 × 1520); **1080p** (1920 × 1080); **720p** (1280 × 720); **D1** (704 ×576/704 × 480); **CIF** (352 × 288/ 352 × 240)
FRAME RATE	1–15 fps (8 MP); 1–25/30 fps (rest of the resolutions) for each channel
RECORD BIT RATE	**HEN041*3:** 80Mbps **HEN081*3:** 200Mpbs **HEN161*3:** 200Mpbs
BIT RATE[1]	16 kbps ~ 20 Mbps, per channel
RECORDING MODE	Schedule (Regular/Continuous, Motion Detection, Alarm); Manual; Stop
RECORDING INTERVAL	1 to 120 minutes (default 60 min)
PRE-EVENT RECORDING INTERVAL	1 to 30 seconds
POST-EVENT RECORDING INTERVAL	10 to 300 seconds

VIDEO DETECTION AND ALARMS	
TRIGGER EVENTS	Recording; PTZ; Tour; Alarm; Video Push; Email; FTP; Snapshot; Buzzer, Screen Tips
VIDEO DETECTION	Motion Detection—MD Zones: 396 (22 × 18); Video Loss; Tampering
ALARM INPUT	4 Channels
RELAY OUTPUT	2 Channels

STORAGE	
INTERNAL HDD	**HEN16103L/ HEN32103L:** 2 SATA III ports, up to 12 TB **HEN04103L/HEN08103L:** 1 SATA III Port (up to 6 TB)

PLAYBACK AND BACKUP	
SYNC PLAYBACK	4-channel NVRs:1/4 8-channel NVRs: 1/4/8 16-channel NVRs: 1/4/8/16 32-channel NVRs: 1/4/8/16
DECODING	2-ch in 8 MP@15pfs or 4-ch in 1080P@30fps
SEARCH MODE	Time/Date; Alarm; Motion Detection (MD); Exact Search (accurate to a second); Smart Search
PLAYBACK FUNCTION	Play; Pause; Stop; Rewind; Fast play; Slow play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom
BACKUP MODE COMPATIBILITY	USB Device; Network

NETWORK	
ETHERNET	1 RJ-45 port (10/100/1000 Mbps)
POE	N/A
SUPPORTED PROTOCOLS[2]	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search, P2P
MAXIMUM NUMBER OF USERS	128 users
NETWORK THROUGHPUT	**HEN04103L/HEN08103L:** 80 Mbps **HEN16103L/ HEN32103L:** 200 Mbps
SMART PHONE COMPATIBILITY	iPhone; iPad; Android

AUXILIARY INTERFACE	
USB PORTS	**HEN04103L/HEN08103L:** 2 USB Ports (2 USB2.0) **HEN16103L/HEN32103L:** 2 USB Ports (1 USB2.0, 1 USB3.0)
RS232	1 port (for POS communications)

ELECTRICAL	
POWER SUPPLY	**HEN04103L/HEN08103L:** DC12V/2A **HEN16103L/HEN32103L:** DC12V/4A
POWER CONSUMPTION	**HEN04103L/HEN08103L:** <6.3W (Without HDD) **HEN16103L/HEN32103L:** <6.9W (Without HDD)

ENVIRONMENTAL	
OPERATING TEMPERATURE	-10ºC ~ +55ºC (+14ºF ~ +131ºF), 86 ~ 106kpa
RELATIVE HUMIDITY	0% to 90% relative humidity
STORAGE TEMPERATURE	−4ºF to 158ºF (−20ºC to 70ºC)

PHYSICAL	
DIMENSIONS	**HEN16103L/HEN32103L:** 1U, 375mm×281.5mm×56mm (14.8" x 11.1" x2.2") **HEN04103L/HEN08103L:** Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9")
WEIGHT (WITHOUT HDD)	**HEN16103L/HEN32103L:** 1.6kg (3.5 lb) (without HDD) **HEN04103L/HEN08103L:** 0.8kg (1.76 lb) (without HDD)

REGULATORY	
EMISSIONS	FCC Part 15B, EN55032: 2012+AC: 2013
IMMUNITY	EN50130-4: 2011
SAFETY	EU: EN60950-1 North America UL listed to UL/CSA 60950-1
ROHS	EN50581: 2012

1. Actual bitrate is scene and motion dependent with H.264 stream.

2. Some development might be required in specific user cases to support some of these protocols in the field, as protocols will mature over time.

4-/8-/16-/32-Channel ENVRs

ORDERING

ACCESSORIES	
RACK MOUNT TRAY	HENHQATRAY

RECOMMENDED CAMERAS	
MINIDOME IP CAMERAS	H4D3PRV2, H4W2PRV2, H4W4PRV2, H2W2PRV3, H2W4PRV3, H4D3PRV3, H4W4PRV3, H4D8PR1, H4W4PER2,H4W4PER3
BULLET IP CAMERAS	HBD3PR2, HBW2PR2, HBW4PR2, HBW4PER2, HBW2PR1, HBD8PR1, HBD2PER1, HBW4PER1, HBD1PR1, HBD3PR1
IR PTZ IP CAMERAS	HDZP252DI, HDZP304DI
BALL/MICRO DOME IP CAMERAS	HEW2PRW1, HEW4PRW3, HED8PR1, HED2PER3, HEW4PER3, HEW2PR1, HEW4PR3, HEW2PR2, HEW4PR2, HED1PR3, HED3PR3

ORDERING	
HEN04103L	H.265 4CH NVR, 0TB, NO POE, 4k, output HDMI/VGA 4k, Ethernet Gigabit, 4 inputs/2 outputs
HEN08103L	H.265 8CH NVR, 0TB, NO POE, 4k, output HDMI/VGA 4k, Ethernet Gigabit, 4 inputs/2 outputs
HEN16103L	H.265 16CH NVR, 0TB, NO POE, 4k, output HDMI/VGA 4k, Ethernet Gigabit, 4 inputs/2 outputs
HEN32103L	H.265 4K 32CH NVR, 0TB, NO POE, 4k, output HDMI/VGA 4k, Ethernet Gigabit, 4 inputs/2 outputs

For more information, please contact:
Email: hsf.comms@honeywell.com
HBT: buildings.asean@Honeywell.com
HSF: hsf.comms@honeywell.com
Partner Connect Portal:
www.partnerconnect.honeywell.com
Order management:
customersupportHSFASEAN@honeywell.com

Technical support call centre (small and medium businesses)
Vietnam: +84 4 4458 3369
Thailand: +66 2 0182439
Indonesia: +62 21 2188 9000
Malaysia: +603 7624 1530
Singapore: +65 3158 6830
Philippines: +63 2 231 3380

Honeywell International Philippines Inc.
Figari Serviced Office, Level 11 Suite C,D,E
The Curve BGC (Figari Serviced Office)
32nd corner 3rd Avenue, Bonifacio Global City, Taguig City
Philippines 1634

PT. Honeywell Indonesia
Menara Prima, 23rd Floor
Jl. DR. Ide Anak Agung Gde Agung Blok 6.2
Kawasan Mega Kuningan
Jakarta 12950
Indonesia

Honeywell Thailand
252/121 25th Floor
Muang Thai-Phatra office Tower ll
Ratchadapisek Road, Huay Khwang
Bangkok 10320
Thailand

Honeywell Malaysia
Honeywell International Sdn Bhd,
Level 25, UOA Corp Tower, Lobby B,
Avenue 10, The Vertical, Bangsar South City,
59200, Kuala Lumpur, Malaysia

Honeywell Singapore
Honeywell Pte Ltd
17 Changi Business Park Central 1
Honeywell Building
Singapore 486073

Honeywell Vietnam Co.Ltd.
Suite 1405-1408, 14 Floor, Pacific Place,
83B Ly Thuong Kiet, Hoan Kiem District, Hanoi
Vietnam

Honeywell Vietnam Co.Ltd
Unit 11, 5 Floor, Crescent Plaza,
105 Ton Dat Tien Street, Tan Phu Ward, District 7, HCMC
Vietnam

Honeywell Singapore
Honeywell Pte. Ltd.
17 Changi Business Park Central 1
Honeywell Building, Singapore 486073

Honeywell Myanmar
No. 35, U Kyaw Hla Street, 7th Mile,
Mayangone Township, Yangon 11061
Myanmar

Honeywell
THE POWER OF **CONNECTED**