25 SERIES
HN25



HN250x0100L-V/HN250x0100-V



HN25160200L-V/HN25160200-V

4 / 8 / 16 Ch NVR

Introducing Honeywell's 25 Series HN25 NVRs, a robustly-featured, cost-effective, NDAA Section 889 compliant NVR solution delivering 4K HD (UHD) video resolution perfect for small/medium businesses and enterprises. Choose a 4, 8, 16 channel NVR with multiple hard drive options and up to 12 TB (per drive) of internal storage for a flexible solution that grows with your business.

FULLY-FEATURED NVRS

- High decoding capability for 4K Ultra HD (UHD) viewing and recording
- View 1 to 16 channels simultaneously with synchronized real-time playback on your monitor (depending on the decoding capacity and recording resolution)
- Up to 8 MP (4K) resolution live view and playback
- Supports H.265 HEVC, H.264, Smart Codec
- Multiple de-warping options of Honeywell fisheye camera video on NVR web UI, Honeywell Smart Viewer (HSV) and HSV Mobile App
- Together with 25 series cameras, offering bandwidth saving features like Smart codec
- Notifications from expanded video analytics on 25 Series cameras
- Two-way audio/push notification

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P Service with reliable connection anytime, anywhere
- Mobile Apps provide anytime, anywhere access for both Apple® and Android™ devices
- Video Analytics (VA) search based on object type (person, vehicle)

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 8 HDDs expandable up to 12 TB (per drive)
- Store video clips and snapshots to external storage, such as USB device on local side or PC client on web side

SECURE AND COMPLIANT SOLUTION

- For use as part of video systems which comply with NDAA Section 889
- PCI-DSS compliance

EASY TO SETUP AND USE

- Plug and play feature together with 25 Series cameras for rapid and simple setup
- All channels PoE, making it easy to use while also reducing total cost of ownership
- Intuitive NVR design, quick installation wizard and easy-to-understand installation guide for fast and easy setup

FEATURES

- H.265/H.264
- HDMI/VGA simultaneous video output
- USB ports support Keyboard and Mouse
- Supports alarm input and alarm output
- Supports sending events through email, FTP, alarm out or push notification
- Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering
- Supports visual or auditory notifications such as a flashing light, bell, or siren
- Supports recording a video clip of events for distribution

Honeywell

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TECHNICAL SPECIFICATIONS

SYSTEM

Main Processor	ARM Processor
Operating System	Embedded LINUX
ONVIF Compliance	ONVIF Profile S
User Management	User level: administrators, operator, media user
Log	System log, Event log
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	**HN25160200-V:** Supported
Security	Encrypted streaming & control
DDR	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** 512 MB **HN25160200L-V/HN25160200-V:** 1 GB
Flash	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** 16 MB **HN25160200L-V/HN25160200-V:** 256 MB

VIDEO

Inputs	**HN25040100L-V/HN25040100-V:** 4 channels **HN25080100L-V/HN25080100-V:** 8 channels **HN25160200L-V/HN25160200-V:** 16 channels

AUDIO

Audio Input/Output	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** 3.5 mm Line out x1 **HN25160200L-V/HN25160200-V:** 3.5 mm Line in x1, 3.5 mm Line out x1
Audio Format	G711ALAW, G711ULAW, RAWPCM

DISPLAY

Interface	**HN25040100L-V/HN25080100L-V/HN25160200L-V/ HN25040100-V/HN25080100-V/ HN25160200-V**: HDMI x 1(4K), VGA x 1(1080P)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768
Display Split	**HN25040100L-V/HN25040100-V:** 1x1, 2x2, customs **HN25080100L-V/HN25080100-V:** 1x1, 2x2, 3x3, 1+7, customs **HN25160200L-V/HN25160200-V:** 1x1, 2x2, 3x3, 4x4, 1+7, customs
OSD	Time OSD, Channel OSD, Custom label
Stream Application	**HN25040100L-V/HN25040100-V:** 1X1: 1ch 8MP MAX, 2x2: 4ch 2MP **HN25080100L-V/HN25080100-V:** 1X1: 1ch 8MP MAX, 2x2: 4ch 2MP, 3x3: 8ch D1 **HN25160200L-V/HN25160200-V:** 1X1: 1ch 8MP MAX, 2x2: 4ch 4MP, 3x3: 9ch D1, 4x4: 16ch D1
Fisheye Dewarp	**HN25040100L-V/HN25080100L-V/HN25160200L-V/ HN25040100-V/HN25080100-V/ HN25160200-V**: Supported for web
PTZ Operation	Direction control, home, iris, preset, patrol, Zoom, Focus, Speed
Language	English, Traditional Chinese, Czech, Vietnamese, Danish, French, Italian, Hungarian, Polish, Slovakia, Thai, Spanish, Portuguese, Deutsch, Arabic, Indonesian, Japanese, Hebrew, Finnish, Korean, Turkish, Romania, Netherlands

RECORDING

Compression	H.265/H.264
Resolution	**HN25040100L-V/HN25080100L-V/HN25160200L-V/ HN25040100-V/HN25080100-V/HN25160200-V:** Up to 3840x2160
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Pre-event Recording Interval	**Main stream:** 1 Mbps **Sub stream:** 0.5 Mbps
Post-event Recording Interval	30s(Default)\40s\50s\60s
Recording Stream	Camera Stream 1 Camera Stream 2
Recording Throughput	**HN25040100L-V/HN25040100-V:** 40 Mbps **HN25080100L-V/HN25080100-V:** 64 Mbps **HN25160200L-V/HN25160200-V:** 160 Mbps

VIDEO DETECTION AND ALARMS

Event	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** Motion Detection, Smart Motion Detection, Scene Change, Video Loss, Smoker Detection, Smoke And Flame Detection, Fire Spot Detection, Intrusion, Line Crossing Detection, Unattended Object Detection, Missing Object Detection, Multi Loitering, Wrong Way Detection, People Counter, Face Detection, Heat Map, Camera Alarm In, Audio Detection, Illegal Access, Abnormal Events: Disk Alarm, IP Address Conflict, Network Disconnect, NAS Offline, Auto Backup Failed **HN25160200L-V/HN25160200-V:** Motion Detection, Smart Motion Detection, Scene Change, Video Loss, Smoker Detection, Smoke And Flame Detection, Fire Spot Detection, Intrusion, Line Crossing Detection, Unattended Object Detection, Missing Object Detection, Multi Loitering, Wrong Way Detection, People Counter, Face Detection, Heat Map, NVR Alarm In/Out, Camera Alarm In, Audio Detection, Illegal Access, Local Intelligent Analysis: Intrusion. Abnormal Events: Disk Alarm, IP Address Conflict, Network Disconnect, NAS Offline, Auto Backup Failed
Event Action	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** Push message to App, Pop up message to monitor, Email, Buzzer, FTP/SFTP, PTZ, Full screen, Event recording, Enable camera alarm out, Trigger the IP SPEAKER **HN25160200L-V/HN25160200-V:** Push message to App, Pop up message to monitor, Email, Buzzer, FTP/SFTP, PTZ, Full screen, Event recording, Enable camera alarm out, Trigger the IP SPEAKER, Enable alarm out
Supported Cameras	25 series cameras
Alarm Input	**HN25160200L-V/HN25160200-V:** 8
Alarm Out	**HN25160200L-V:** 1 **HN25160200-V:** 2
Hard Reset	Supported

STORAGE

Internal HDD	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** Internal x1 (3.5") **HN25160200L-V/HN25160200-V:** Internal x2 (3.5")
HDD Max. Capacity*	12 TB
Manual Backup	USB Backup (FAT Format)

PLAYBACK AND BACKUP

Sync Playback	**HN25040100L-V/HN25040100-V:** 4ch **HN25080100L-V/HN25080100-V:** 8ch **HN25160200L-V/HN25160200-V:** 16ch
Decoding	**HN25040100L-V/HN25040100-V:** H.265/H.264: 3840 x 2160 @ 30 fps (1-CH) 2560 x 1920 @30fps(1-CH) 1920 x 1080 @ 120 fps (4-CH) **HN25080100L-V/HN25080100-V:** H.265/H.264: 3840 x 2160 @ 30 fps (1-CH) 2560 x 1920 @30fps(1-CH) 1920 x 1080 @ 120 fps (4-CH) 720 x 576 @ 240 fps (8-CH) **HN25160200L-V/HN25160200-V:** H.265/H.264: 3840 x 2160 @ 30 fps (1-CH) 2560 x 1440 @120fps(4-CH) 720 x 576 @ 480 fps (16-CH)
Search Mode	Time search, Event search, Video clip, Smart search
Playback Function	**HN25040100L-V/HN25080100L-V/HN25160200L-V/ HN25040100-V/HN25080100-V/HN25160200-V:** Regular (play, pause, stop), play backwards, next frame, Go back 30 seconds, Go forward 30 seconds, speed control, timeline, timeline scale, Digital zoom, Audio, snapshot, back up, Batch back up
Snapshot	JPG

NETWORK

Ethernet	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** 10/100Mbps Ethernet (RJ-45) x 1 **HN25160200-V:** 10/100/1000Mbps Ethernet (RJ-45) x 1 **HN25160200L-V:** 10/100/1000Mbps Ethernet (RJ-45) x 2
PoE	**HN25040100-V:** 802.3af compliant PoE ports x 4 **HN25080100-V:** 802.3af compliant PoE ports x 8 **HN25160200-V:** 802.3af/at compliant PoE ports x 16
Supported Protocols	**HN25040100L-V/HN25040100-V/HN25080100L-V/HN25080100-V:** IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, SMTP, FTP/SFTP, DHCP, NTP, DNS, SNMP, DDNS, IP Filter, 802.1x, P2P, System Log **HN25160200L-V/HN25160200-V:** IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, SMTP, FTP/SFTP, DHCP, NTP, Secure NTP, DNS, SNMP, DDNS, IP Filter, 802.1x, P2P, System Log
Maximum Number of Users	16
Network Throughput	**HN25040100L-V/HN25040100-V:** 40 Mbps **HN25080100L-V/HN25080100-V:** 64 Mbps **HN25160200L-V/HN25160200-V:** 160 Mbps
Smart Phone Compatibility	IOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, Safari

AUXILIARY INTERFACE

USB Ports	**HN25040100L-V/HN25080100L-V/HN25160200L-V/ HN25040100-V/HN25080100-V:** USB2.0 x 2 **HN25160200-V:** Front x2, usb2.0, Back x1, usb2.0

*For detailed information about compatible HDDs, please refer to the user guide.

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ELECTRICAL	
Power Supply	**HN25040100L-V/HN25080100L-V:** DC12V 2A **HN25160200L-V:** DC12V 3A **HN25040100-V:** DC48V 1.36A **HN25080100-V:** DC48V 1.875A **HN25160200-V:** DC48V 1.875A
Power Consumption	**HN25040100L-V/HN25080100L-V:** Max.24W **HN25160200L-V:** Max.36W **HN25040100-V:** Max.65.28W **HN25080100-V:** Max.90W **HN25160200-V:** Max.180W

ENVIRONMENTAL	
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Relative Humidity	Less than 90% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)

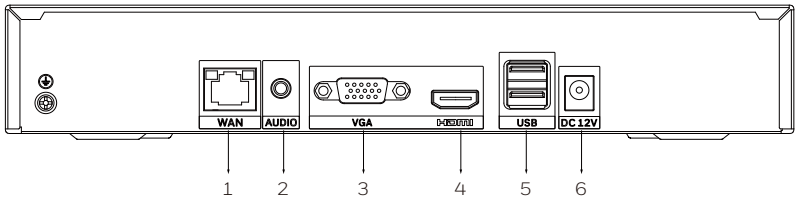
PHYSICAL	
Dimensions	**HN25040100L-V/HN25080100L-V/HN25040100-V/HN25080100-V:** 225.1 × 254.5 × 43.9 mm (8.86" × 10.02" × 1.73") **HN25160200L-V/HN25160200-V:** 372.0 × 313.3 × 46.4 mm (14.65" × 12.33" × 1.83")
Weight (without HDD)	**HN25040100L-V**: 0.66 kg (1.46 lb) **HN25080100L-V:** 0.67 kg (1.48 lb) **HN25160200L-V:** 2.01 kg (4.43 lb) **HN25040100-V:** 0.74 kg (1.63 lb) **HN25080100-V:** 0.75 kg (1.65 lb) **HN25160200-V:** 2.78 kg (6.13 lb)
Package Weight	**HN25040100L-V**: 1.18 kg (2.6 lb) **HN25080100L-V:** 1.18 kg (2.6 lb) **HN25160200L-V:** 3.12 kg (6.88 lb) **HN25040100-V:** 1.54 kg (3.4 lb) **HN25080100-V:** 1.63 kg (3.59 lb) **HN25160200-V:** 3.72 kg (8.2 lb)

REGULATORY	
Emissions	FCC Part15B. ICES-003, CE EN55032, Complies with UKCA and RCM
Immunity	CE(EN 50130-4, EN 55035), Complies with RCM and UKCA
Safety	CE(EN 62368-1), Complies with UKCA and RCM
RoHS	CE(EN 63000), UAE(Cabinet Decree No.10 of 2017)
Country of Origin	Vietnam
Warranty	3 year

RECOMMENDED CAMERAS	
Fixed Dome Cameras	HC25D42R1-V, HC25D44R1-V, HC25W45R1-V, HC25W48R1-V, HC25C42R1-V, HC25C44R1-V, HC25C45R1-V, HC25C48R1-V
MFZ Dome Camera	HC25D42R2-V/HC25D44R2-V/HC25W45R2-V/HC25W48R2-V/ HC25C42R2-V/HC25C44R2-V/HC25C45R2-V/HC25C48R2-V
Fixed Bullet Camera	HC25DB2R1-V/HC25DB4R1-V/HC25WB5R1-V/HC25WB8R1-V/ HC25CB2R1-V/HC25CB4R1-V/HC25CB5R1-V/HC25CB8R1-V
MFZ Bullet Camera	HC25DB2R2-V/HC25DB4R2-V/HC25WB5R2-V/HC25WB8R2-V/ HC25CB2R2-V/HC25CB4R2-V/HC25CB5R2-V/HC25CB8R2-V
ANPR Bullet Camera	HC25WB4R4LPR-V
Fixed Ball Camera	HC25DE2R1-V/HC25DE4R1-V/HC25WE5R1-V/HC25WE8R1-V/ HC25CE2R1-V/HC25CE4R1-V/HC25CE5R1-V/HC25CE8R1-V
MFZ Ball Camera	HC25DE2R2-V/HC25DE4R2-V/HC25WE5R2-V/HC25WE8R2-V/ HC25CE2R2-V/HC25CE4R2-V/HC25CE5R2-V/HC25CE8R2-V
Speed Dome Camera (PTZ)	HC25CZ5R18-V

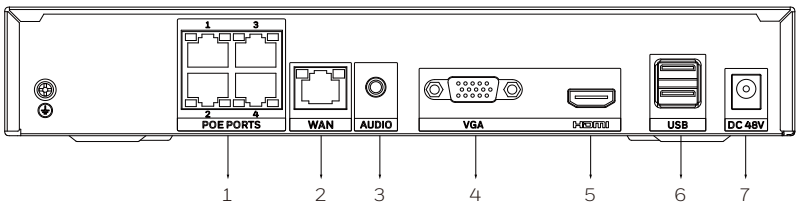
SYSTEM DIAGRAM

HN25040100L-x/HN25080100L-x



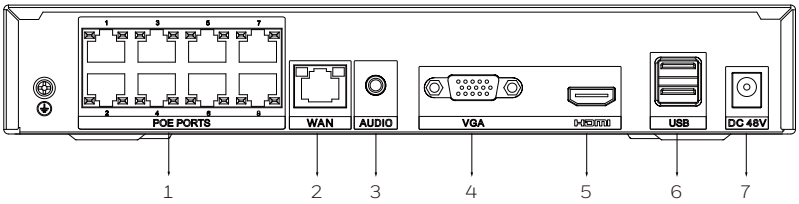
1. WAN Port 2. Audio Port 3. VGA Port 4. HDMI Port 5. USB Ports 6. DC 12V Power Input

HN25040100-x



1. PoE Ports 2. WAN Port 3. Audio Port 4. VGA Port 5. HDMI Port 6. USB Ports 7. DC 48V Power Input

HN25080100-x

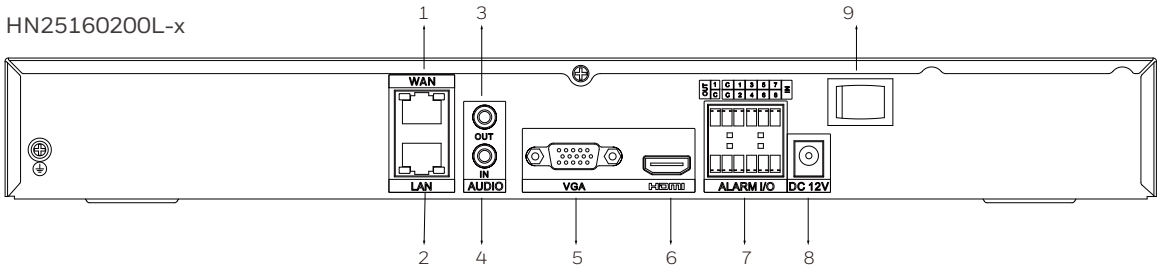


1. PoE Ports 2. WAN Port 3. Audio Port 4. VGA Port 5. HDMI Port 6. USB Ports 6. DC 48V Power Input

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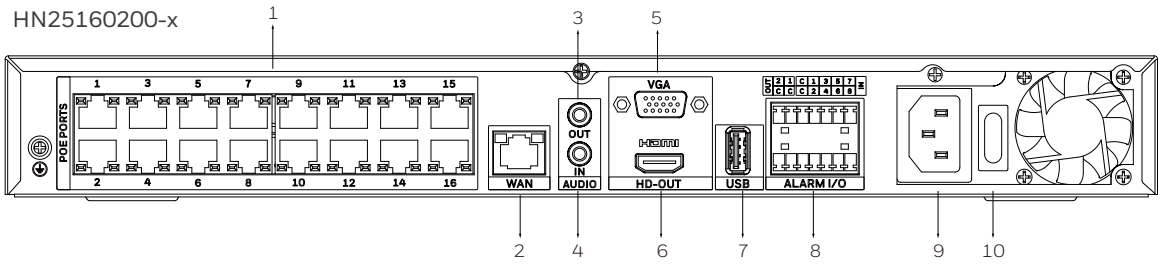
SYSTEM DIAGRAM

HN25160200L-x



1. WAN Port 2. LAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. Alarm Input/Output 8. DC 12V Power Input 9. Power Switch

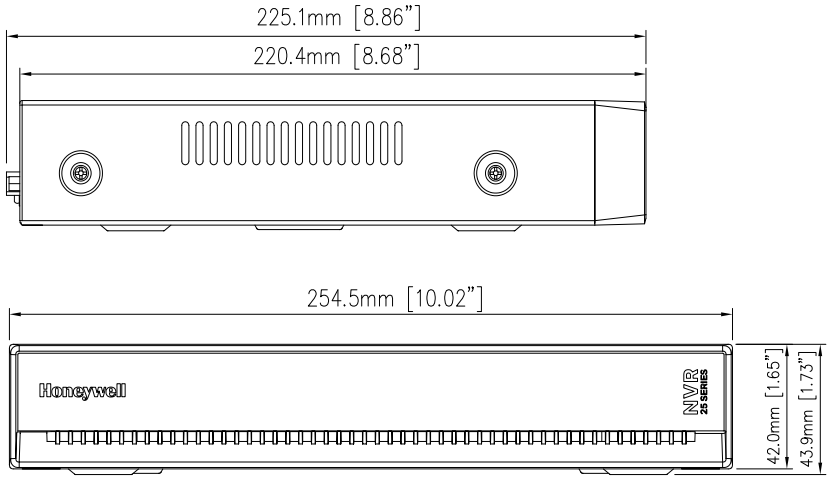
HN25160200-x



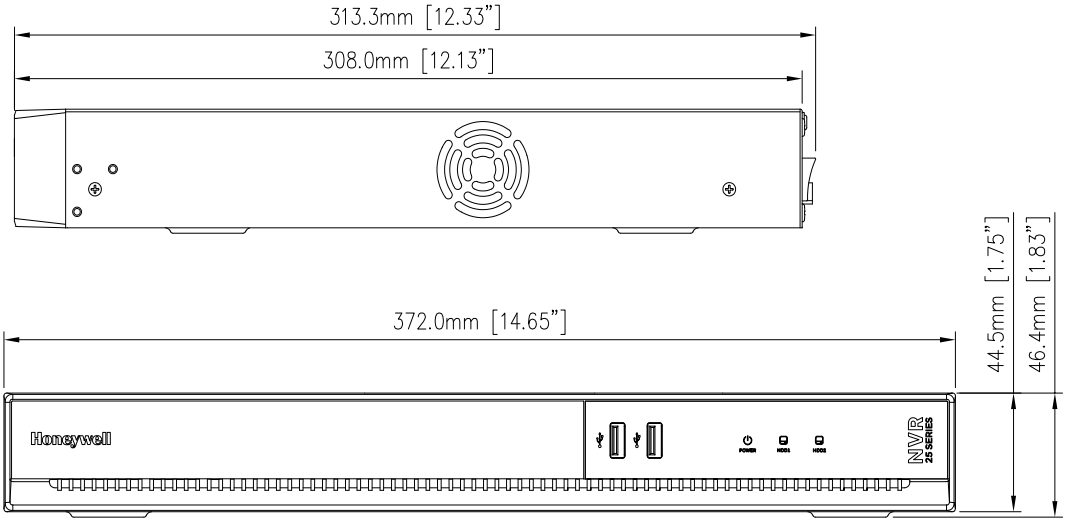
1. PoE Ports 2. WAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. USB Port 8. Alarm Input/Output 9. Power Input 10. Power Switch

DIMENSIONS

HN25040100L-x/HN25080100L-x/HN25040100-x/HN25080100-x

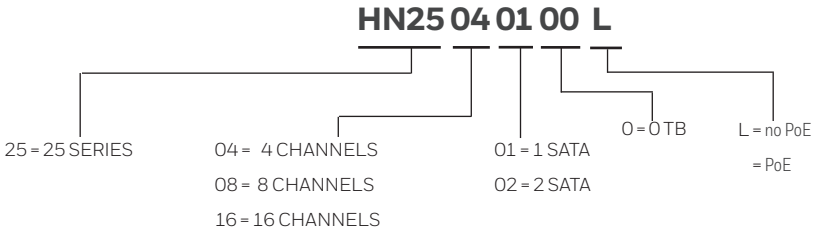


HN25160200L-x/HN25160200-x



25 SERIES - HN25 4 / 8 / 16 CH NVR

PART NUMBER LOOKUP



ORDERING

MODEL	DESCRIPTION
HN25 - 4/ 8 CH	
HN25040100L-V	25S 4CH 1SATA no PoE NVR, COO Vietnam
HN25080100L-V	25S 8CH 1SATA no PoE NVR, COO Vietnam
HN25040100-V	25S 4CH 1SATA 4 PoE NVR, COO Vietnam
HN25080100-V	25S 8CH 1SATA 8 PoE NVR, COO Vietnam
HN25 - 16 CH	
HN25160200L-V	25S 16CH 2SATA no PoE NVR, COO Vietnam
HN25160200-V	25S 16CH 2SATA 16 PoE NVR, COO Vietnam

MODEL	DESCRIPTION
Surveillance Hard Disk Drive*	
HN30HDS02	Surveillance hard disk drive, 2 TB
HN30HDS04	Surveillance hard disk drive, 4 TB
HN30HDS08	Surveillance hard disk drive, 8 TB
HN30HDS10	Surveillance hard disk drive, 10 TB
HN30HDS12	Surveillance hard disk drive, 12 TB

*For detailed information about compatible HDDs, please refer to the user guide.

For More Information
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