

35 SERIES HN35 & HN35 PLUS



HN35040100N/HN35080100N

HN35160200N



HN35320400N



4 / 8 / 16 / 32 Ch 4K Embedded NVR

Introducing Honeywell's 35 Series HN35 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 or 32 channel NVR with multiple hard drive options and up to 20TB (2 bays) or 40TB (4 bays) 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 smart codec/H.264
- De-warp fisheye camera(HC30WF5R1) video, Honeywell Smart Viewer (HSV) windows desktop and HSV Mobile App for 360 degree situational awareness
- Together with 35 series cameras, offering bandwidth saving features like Smart codec
- Supported alarms from 35 Series Cameras to NVR: Tampering, Intrusion, Crowd Detection, Multi-Loitering
- Two way audio/push notification for incident management

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P Service with reliable connection anytime, anywhere
- Mobile apps provide anytime, anywhere access for both Apple® and Android™ devices

SECURE AND COMPLIANT SOLUTION

- For use as part of video systems which comply with NDAA Section 889
- Together with 35 series cameras, provides an end-to-end encrypted solution, with video streaming encrypted from 35 cameras to NVR, and video streaming/control encrypted between NVR and web client/viewer/mobile app
- PCI-DSS compliance

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 2/4 HDDs expandable up to 20/40 TB (10 TB per drive)
- Store video clips and snapshots to external storage, such as USB device on local side or PC client on web side

EASY TO SETUP AND USE

- Plug and play feature together with 35 Series cameras for rapid and simple setup
- Intuitive NVR design, quick installation wizard and easy-to-understand installation guide for fast and easy setup

FEATURES

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

HN35 & HN35 PLUS 4 / 8 / 16 / 32 CH 4K EMBEDDED NVR

TECHNICAL SPECIFICATIONS

SYSTEM	
Main Processor	ARM Processor
Operating System	Embedded LINUX
ONVIF Compliance	ONVIF Profile S
User Management	User level: Administrator, Operator, Media user
Log	System log, Event log
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	HN35040100N/HN35080100N/HN35160200N: No HN35320400N: Yes
Security	Chipset and streaming encryption
VIDEO	
Inputs	HN35040100N: 4 channels HN35080100N: 8 channels HN35160200N: 16 channels HN35320400N: 32 channels
AUDIO	
Audio Input/Output	3.5 mm Line in x1 3.5 mm Line out x1
Two-way Communication	Supported
Audio Format	G.711
DISPLAY	
Interface	HN35040100N/HN35080100N/HN35160200N: HDMI x 1 (4K Max), VGA x1 (1080P) HN35320400N: HDMI x 2 (only HDMI1 support 4k), VGA x 1 (1080P)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768
Display Split	HN35040100N: 1 x 1, 2 x 2, customs HN35080100N: 1 x 1, 2 x 2, 3 x 3, 1 + 7, customs HN35160200N: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 1 + 7, customs HN35320400N: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 6 x 6, 1+7, 4+28, customs
OSD	camera title, time, custom OSD, PTZ position
Stream Application	HN35040100N: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 HN35080100N: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 3x3: Camera Stream 2 HN35160200N: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 3x3: and above: Camera Stream 2 HN35320400N: 1x1: 1ch 12MP MAX 2x2: 4ch 4MP 3x3: 9ch 2MP 6x6: 32ch D1
PTZ Operation	Direction control, Home, Iris, Preset, Patrol (group), Focus +/- Zoom +/-
VIDEO DETECTION AND ALARMS	
Event	HN35040100N/HN35080100N/HN35160200N: Camera: Camera Alarm In, Motion Detection, Camera Disconnection, Tampering Detection, Smart Motion Detection, Intrusion, Crowd Detection, Multi-Loitering System: System Alarm In/Out, Disk Failure, Disk Full HN35320400N: Camera: Camera Alarm In, (Smart) Motion Detection, Video Loss, Camera Tamper, Intrusion, Multi Loitering, Crowd Detection System: NVR Alarm In/Out, Disk Failure, Disk Full, IP Address Conflict, Network Disconnect, Intrusion
Event Action	Video recording, Push message to App, Pop up mesasge to monitor, Send email, Buzzer, FTP, PTZ-Preset, Full screen, Camera alarm out, System alarm out
Alarm Input	HN35040100N/HN35080100N: 4 HN35160200N: 8 HN35320400N: 16
Alarm Out	HN35040100N/HN35080100N/HN35160200N: 1 HN35320400N: 4
RS485	HN35040100N/HN35080100N/HN35160200N: Not Supported HN35320400N: Supported
RS232	HN35040100N/HN35080100N/HN35160200N: Not Supported HN35320400N: Supported
e-SATA	HN35040100N/HN35080100N/HN35160200N: Not Supported HN35320400N: Supported

RECORDING	
Compression	HN35040100N/HN35080100N/HN35160200N: H.265 HEVC smart codec/H.264 HN35320400N: H.265/H.264
Resolution	Up to 3840 x 2160
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Max Pre-Event Recording Buffer Size	HN35040100N: Main Stream: 10 Mb Sub Stream: 6 Mb HN35080100N/HN35160200N/HN35320400N: Main Stream: 8 Mb Sub Stream: 4 Mb
Post-Event Recording Interval	30 s (Max. 60 s)
Recording Stream	Support main stream and sub stream simultaneous recording
Recording Throughput	HN35040100N/HN35080100N: 64 Mb HN35160200N: 128 Mb HN35320400N: 320 Mb
STORAGE	
Internal HDD	HN35040100N/HN35080100N: x1(3.5") HN35160200N: Internal x2 (3.5") HN35320400N: Internal x4 (3.5")
HDD Max. Capacity	10 TB
Manual Backup	USB Dongle (FAT Format)
PLAYBACK AND BACKUP	
Sync Playback	HN35040100N: 4 channels HN35080100N: 8 channels HN35160200N/HN35320400N: 16 channels
Decoding	HN35040100N: H.265/H.264: 3840X2160 @ 30 fps (1-CH), 2560*1920 @ 30 fps(1-CH), 1920X1080 @ 120 fps (4-CH) HN35080100N: H.265/H.264: 3840X2160 @ 30 fps (1-CH), 2560*1920 @ 30 fps(1-CH), 1920X1080 @ 120 fps (4-CH), 720X576 @ 240 fps (8-CH) HN35160200N: H.265/H.264: 3840X2160 @ 30 fps (1-CH), 2560*1920 @ 30 fps(1-CH), 1920X1080 @ 120 fps (4-CH), 720X576 @ 480 fps (16-CH) HN35320400N: H.265/H.264: 3840X2160 @ 30 fps (1-CH), 2592X1520 @ 120 fps(4-CH), 1920X1080 @ 270 fps (9-CH), 720X576 @ 960 fps (32-CH)
Search Mode	Time search ,Event Search, Video clip
Playback Function	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
Snapshot	JPEG
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Relative Humidity	Less than 90% RH
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
ELECTRICAL	
Power Supply	100-240V AC, 50/60 Hz
Power Consumption	HN35040100N/HN35080100N: Max. 1.8 W; 5W without HDD HN35160200N: Max. 2.4 W; 5W without HDD HN35320400N: Max. 2.00 W; 15W without HDD

HN35 & HN35 PLUS 4 / 8 / 16 / 32 CH 4K EMBEDDED NVR

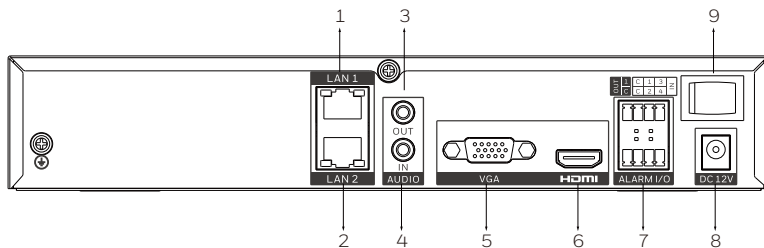
NETWORK	
Ethernet	HN35040100N/HN35080100N: 10/100Mbps Ethernet (RJ-45) x 2 HN35160200N: 10/100/1000Mbps Ethernet (RJ-45) x 2 HN35320400N: 10/100/1000Mbps Ethernet (RJ-45) x 2
Supported Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter, P2P
Maximum Number of Users	16
Network Throughput	HN35040100N/HN35080100N: 64 Mb HN35160200N: 128 Mb HN35320400N: 320 Mb
Smart Phone Compatibility	iOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, Safari
AUXILIARY INTERFACE	
USB Ports	HN35040100N/HN35080100N/HN35160200N: Front x2, usb 2.0 HN35320400N: Front x2,usb2.0; Back x1
PHYSICAL	
Dimensions	HN35040100N/HN35080100N: 255.0 × 237.3 × 45.3 mm (10.04 × 9.34 × 1.78 inch) HN35160200N: 372.0 × 313.3 × 46.5 mm (14.65 × 12.33 × 1.83 inch) HN35320400N: 440.0 × 376.2 × 70.0 mm (17.32 × 14.81 × 2.76 inch)
Weight (Without HDD)	HN35040100N/HN35080100N: 0.8 kg (1.76 lb) without HDD HN35160200N: 2.65 kg (5.84 lb) without HDD HN35320400N: 4.5 kg (9.92 lb) without HDD

REGULATORY	
Emissions	FCC Part 15, CE (EN 55032, EN 61000-3-2, EN 61000-3-3, EN 61000-6-4), ICES-003, Comply with UKCA and RCM
Immunity	CE(EN 50130-4, EN 55024, EN 55035) Comply with UKCA and RCM
Safety	UL LISTED TO UL/CSA 62368-1, CE(EN 62368-1), Comply with UKCA and RCM
RoHS	CE(EN 63000), UAE(Cabinet Decree No.10 of 2017)

RECOMMENDED CAMERAS	
Fixed Dome Cameras	HC35W43R3, HC35W45R3, HC35W48R3
MFZ Dome Camera	HC35W43R2, HC35W45R2, HC35W48R2
Fixed Bullet Camera	HC35WB3R3, HC35WB5R3, HC35WB8R3
MFZ Bullet Camera	HC35WB3R2, HC35WB5R2, HC35WB8R2
Fixed Ball Camera	HC35WE3R3, HC35WE5R3, HC35WE8R3
MFZ Ball Camera	HC35WE3R2, HC35WE5R2, HC35WE8R2
Fixed Micro Dome Camera	HC35W25R3
Speed Dome Camera	HC35W22R25, HC35W25R30

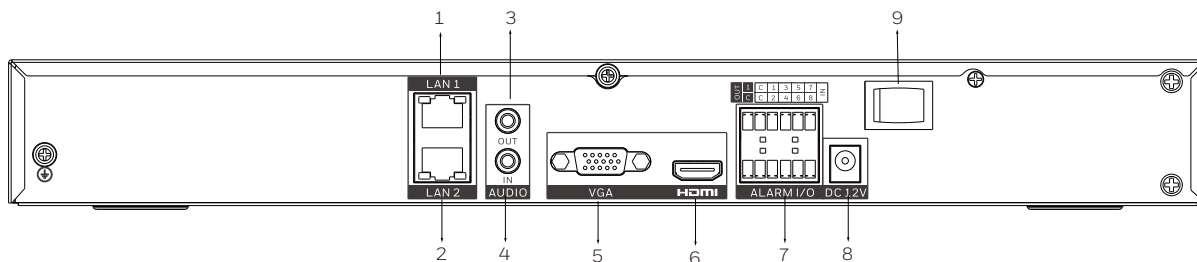
SYSTEM DIAGRAM

HN35040100N/HN35080100N



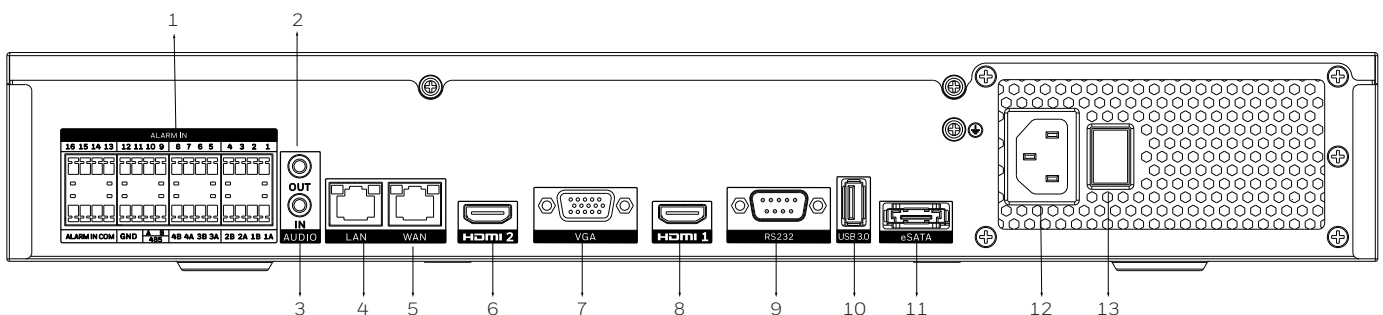
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HN35160200N



1. LAN 1 Port 2. LAN 2 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

HN35320400N

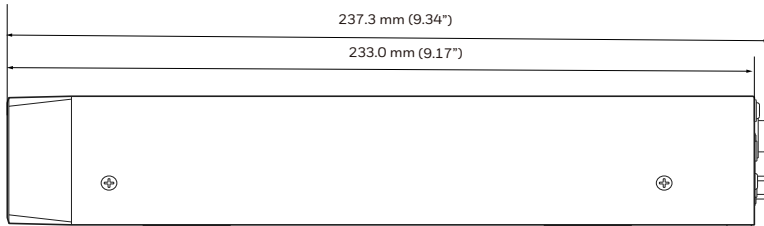
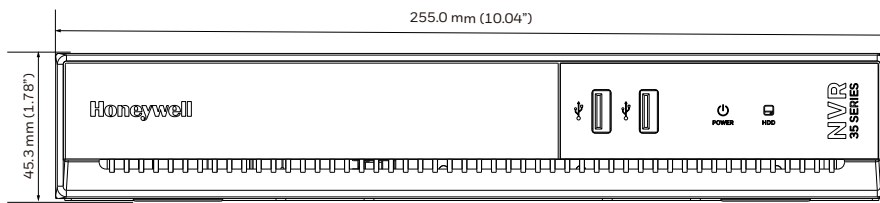


1. Alarm Input/Output 2. Audio Out 3. Audio In 4. LAN Port 5. WAN Port 6. HDMI 2 Port 7. VGA Port 8. HDMI 1 Port 9. RS232 Port 10. USB Port 11. eSATA Port 12. Power Input 13. Power Switch

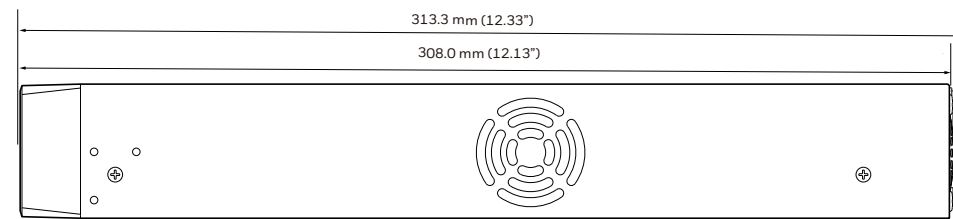
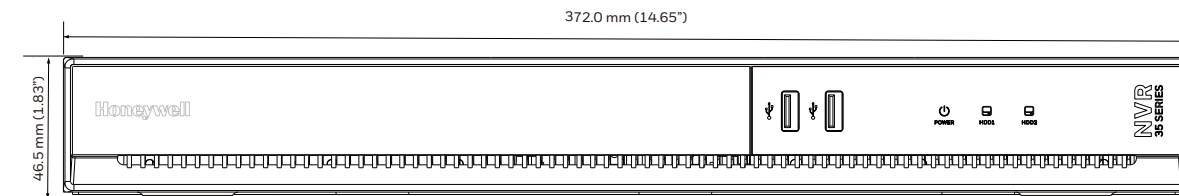
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DIMENSIONS

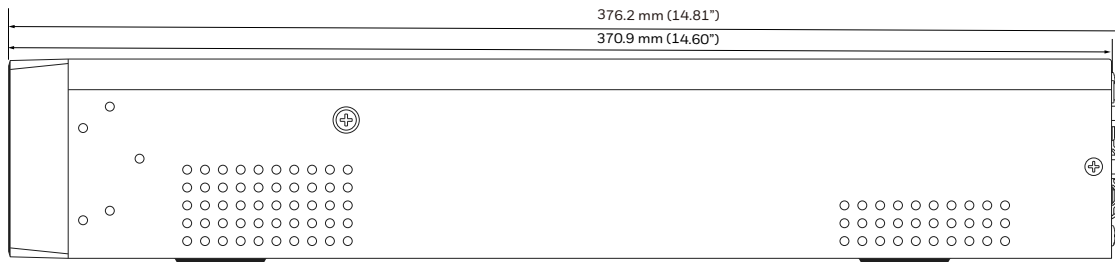
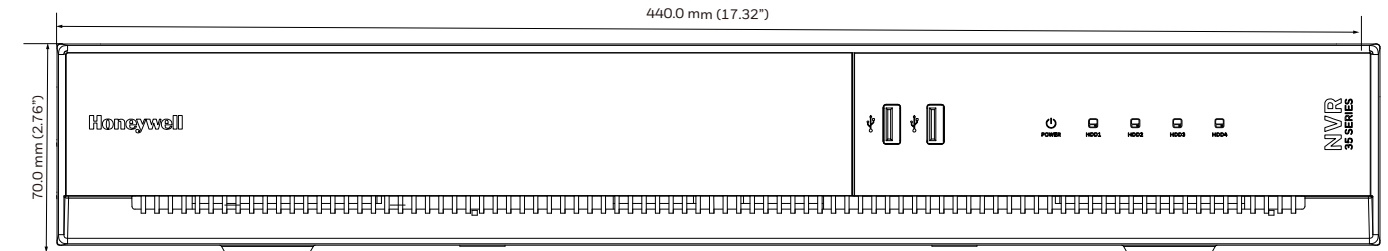
HN35040100N/HN35080100N



HN35160200N

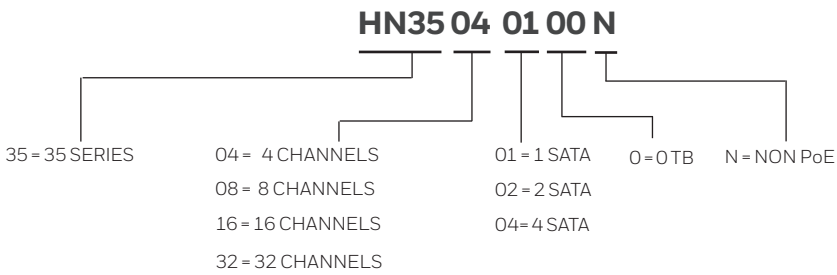


HN35320400N



HN35 & HN35 PLUS 4 / 8 / 16 / 32 CH 4K EMBEDDED NVR

PART NUMBER LOOKUP



ORDERING

HN35 - 4 / 8 / 16 CH	
MODEL	DESCRIPTION
HN35040100N	4 Chs NVR 4k Support, H.265/H.264, Stream Encryption, 0 TB, 1 SATA, Non-PoE
HN35080100N	8 Chs NVR 4k Support, H.265/H.264, Stream Encryption, 0 TB, 1 SATA, Non-PoE
HN35160200N	16 Chs NVR 4k Support, H.265/H.264, Stream Encryption, 0 TB, 2 SATA, Non-PoE
HN35320400N	32 Chs NVR 4k Support, H.265/H.264, Stream Encryption, 0 TB, 4 SATA, Non-PoE

For more information

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