

35 SERIES HN35 PRO

32 /64 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 32 or 64 channel NVR with storage support up to 80 TB (8 bays) of internal storage for a flexible solution that grows with your business.

FULLY-FEATURED NVRS

- View 16/32/64 channels simultaneously with synchronized real-time playback on your monitor (depending on your model) . 32/64CH support 16 channels simultaneously with synchronized real-time playback.
- Up to 8 MP (4K) resolution live view and playback.
- Supports H.265 HEVC, H.264, Smart Codec.
- Support to receive alarms from S35 for: Crowd, Multi Loitering, Intrusion, Tampering, Motion and Smart Motion Detection (SMD).
- Two-way audio/push notification.
- Support up to 16 alarm input channels and 6 alarm relay output channels.(8SATA).
- Maximum incoming bandwidth is 320Mbps, and Maximum outgoing bandwidth is 320 Mbps.
- Support redundancy Failover N+1(Maximum N =10).
- Support people counting function.

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P service with reliable connection and mobile apps for both Apple® and Android™ devices for anytime, anywhere access.
- P2P integration to manage remote configuration and firmware updating.

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 8 HDDs expandable up to 80 TB (8 bays) of internal storage.
- Store video clips and snapshots to external storage, such as USB device on local side or PC client on web side.
- RAID 1/5/6 external storage compatibility supports a wide range of high capacity storage options.

FEATURES

- | | | | | |
|----------------------|--------------------------|----------------------------|------------------------|--------------------------|
| • H.265/H.264 | • Supports alarm input | • Supports recording a | • Configurable to | • Supports visual or |
| • HDMI/VGA | • and alarm output | • video clip of events for | • automatically detect | • auditory notifications |
| • simultaneous video | • Supports sending | • distribution | • and respond to | • such as a flashing |
| • output | • events through email, | • Supports uploading | • motion in the scene, | • light, bell, or siren |
| • USB ports support | • FTP, alarm out or push | • still images at the time | • alarm inputs, and | • Supports RAID 1/5/6 |
| • Keyboard and | • notification | • of the event through | • network failure or | |
| • Mouse | | • email | • tampering | |



HN353208xxNR/ HN356408xxNR



HN356408xxDR



SECURE AND COMPLIANT SOLUTION

- For use as part of video systems which comply with NDAA Section 889.
- The TPM (Trusted Platform Module) provides end-to-end stream and command encryption through integrated cryptographic keys.
- Together with 35 Series cameras, provides an end-to-end encrypted solution with video streaming and control encrypted between NVR and web client / viewer / mobile app.
- PCI-DSS compliance.
- Secure boot feature combined with Honeywell cybersecurity standards helps ensure data protection.
- Support secure NTP.

EASY TO SETUP AND USE

- Plug and play feature together with 35 Series cameras for rapid and simple setup.
- Dual network ports, making it easy to connect local IPCs and remote control.
- Intuitive NVR design, quick installation wizard and easy-to-understand installation guide for fast and easy setup.

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TECHNICAL SPECIFICATIONS

SYSTEM	
Main Processor	ARM Processor
Operating System	Embedded LINUX
Onvif Compliance	ONVIF Profile S
User Management	User level: Administrator, Regular user
Log	System, Recording, User
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	Yes
Security	Encrypted streaming and control
VIDEO	
Inputs	HN353208xxNR: 32 channels HN356408xxNR/HN356408xxDR: 64 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	HDMI 1 (4K Max), HDMI 2 (1080P), VGA x1 (1080P)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024 x 1024 x 768
Display Split	HN353208xxNR: 1/4/9/16/32 HN356408xxNR/HN356408xxDR: 1/4/9/16/32/64
OSD	Time OSD, channel OSD
Stream Application	HN353208xxNR: 1 X 1: 1 ch 12 MP MAX 2 x 2: 4 ch 4 K 4 x 4: 16 ch 2 MP 32: 32ch D1 HN356408xxNR/HN356408xxDR: 1 X 1: 1 ch 12 MP MAX 2 x 2: 4 ch 4 K 4 x 4: 16 ch 2 MP 8 x 8: 64 ch D1
Fisheye Dewarp	NO
PTZ Operation	Direction control, Home, Iris, Preset, Patrol(group), Focus +/- Zoom+/-
RECORDING	
Compression	H.265/H.264
Resolution	Up to 3840 x 2160
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Pre-Event Recording Interval	Main stream: 2M Sub stream: 1M
Post-Event Recording Interval	30 s (Max. 60 s)
Recording Stream	Camera Stream 1 Camera Stream 2
Recording Throughput	320M
VIDEO DETECTION AND ALARMS	
Event	Camera: Camera Alarm In, Motion detection, Camera disconnection,Tampering detection System: System Alarm in/out, Disk failure, Disk full, VA (SMD/intrusion/crowd/Multi loitering detection)
Event Action	Video recording, Send email, Buzzer, FTP, Camera Alarm Out, PTZ-Preset, System Alarm Out,Send video to full screen.
Alarm Input	16
Alarm Out	6
RS485	Supported
RS232	Supported
e-SATA	Supported

STORAGE	
INTERNAL HDD	Internal x8 (3.5")
HDD Max. Capacity	10TB
Manual Backup	USB Dongle (FAT Format)
Raid	Raid 1\5\6
PLAYBACK AND BACKUP	
Sync Playback	16 channels
Decoding	H.265/H.264: 4000 x 3000 @ 30 fps (1-CH) 3840 x 2160 @ 120 fps (4-CH) 720 x 576 @ 480 fps (16-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, snapshot, back up
Snapshot	JPG
NETWORK	
Ethernet	10/100/1000Mbps Ethernet (RJ-45) x 2
Supported Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP (Secure), DNS, DDNS, IP Filter, P2P
Maximum Number Of Users	16
Network Throughput	HN353208xxNR/HN356408xxNR/HN356408xxDR: 400M
Smart Phone Compatibility	IOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, safari
AUXILIARY INTERFACE	
USB Ports	Front x 2, usb2.0; Back x1, usb3.0
ELECTRICAL	
Power Supply	HN356404xxNR/HN356408xxNR:100-240V AC, 50/60HZ HN356408xxDR:100-240V AC, 50/60HZ,DUAL SMPS
Power Consumption	HN353208xxNR/HN356408xxNR: Max. 200 W; 15W without HDD HN356408xxDR: Max. 550 W; 15W without HDD
ENVIRONMENTAL	
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)
Relative Humidity	Less than 90% RH
Storage Temperature	-40°C to 60°C (-40°F ~ 140°F)
PHYSICAL	
Dimensions	HN353208xxNR/HN356408xxNR: 440 × 426 × 100 mm (17.32 × 16.77 × 3.94 inch) HN356408xxDR: 440 × 526 × 100 mm (17.32 × 20.71 × 3.94 inch)
Weight (Without HDD)	HN353208xxNR/HN356408xxNR: 7 kg (15.43 lb) without HDD HN356408xxDR: 10.8 kg (23.80 lb) without HDD

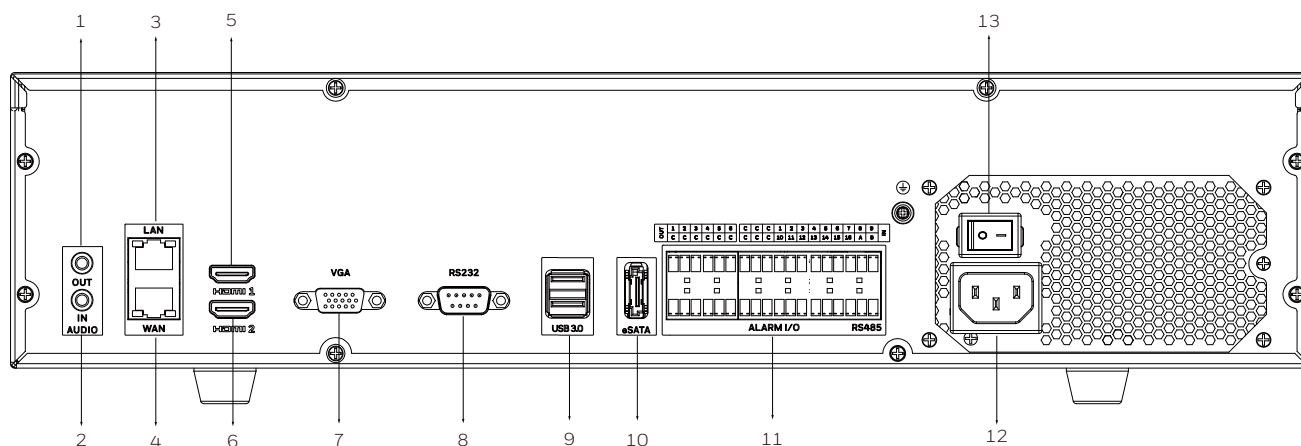
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RECOMMENDED CAMERAS

Fixed Dome Cameras	HC35W43R3, HC35W45R3, HC35W48R3
MFZ Dome Camera	HC35W43R2, HC35W45R2, HC35W48R2
Fixed Bullet Camera	HC35WB3R3, HC35WB5R3, HC35WB8R3, HC60WZ4R40WI, HC60WZ4R40KI
MFZ Bullet Camera	HC35WB3R2, HC35WB5R2, HC35WB8R2, HC60WZ4R40WI, HC60WZ4R40KI
MFZ Box Camera	HC60WZ4R40WI, HC60WZ4R40KI
Fixed Micro Dome Camera	HC35W25R3
Speed Dome Camera	HC35WZ2R25, HC35WZ5R30

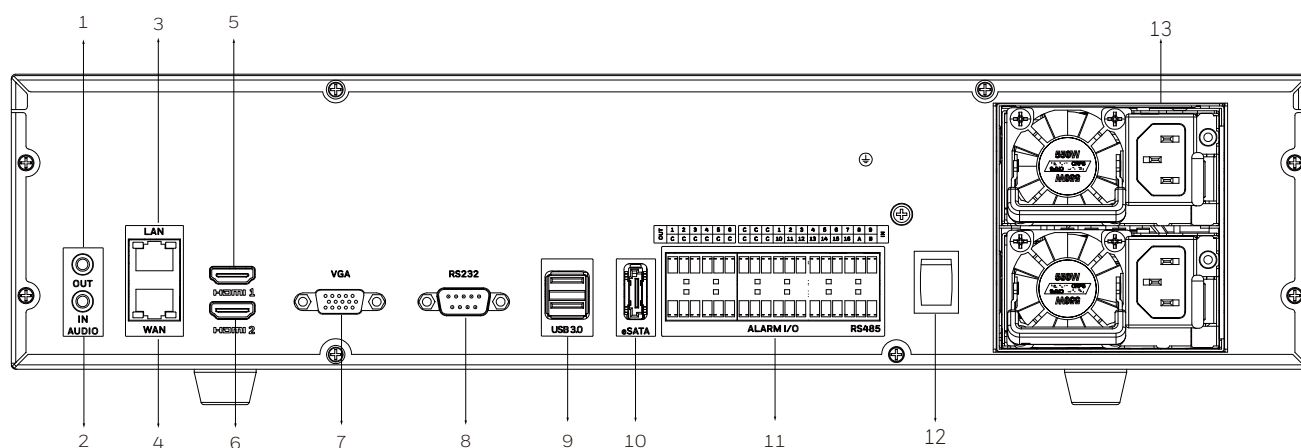
SYSTEM DIAGRAM

HN353208xxNR/HN356408xxNR



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

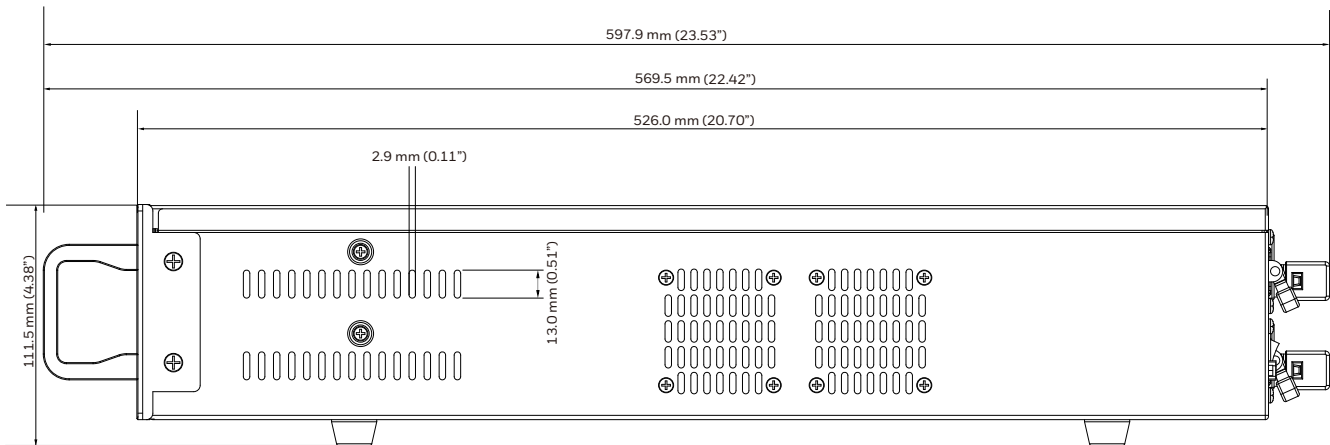
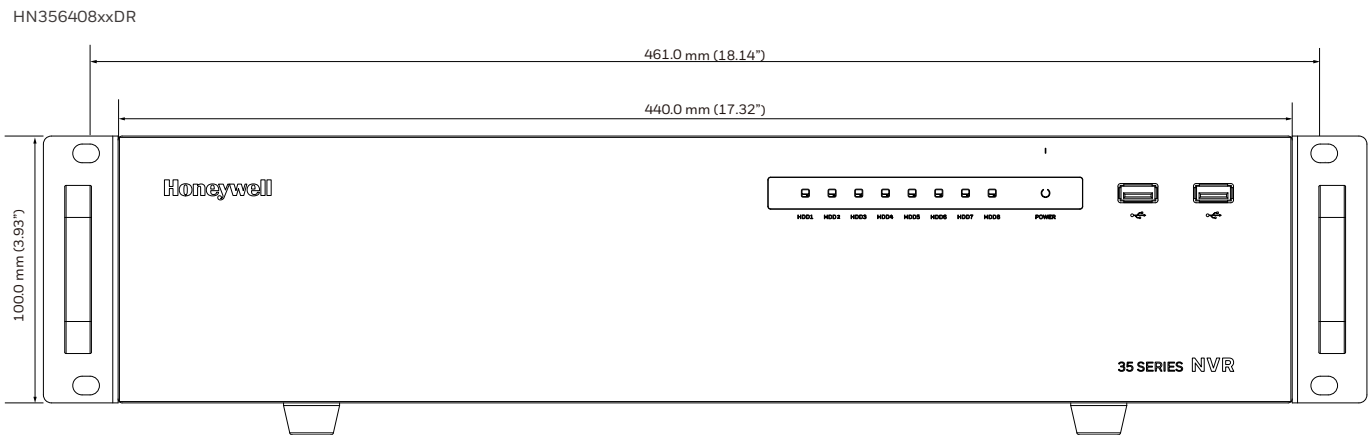
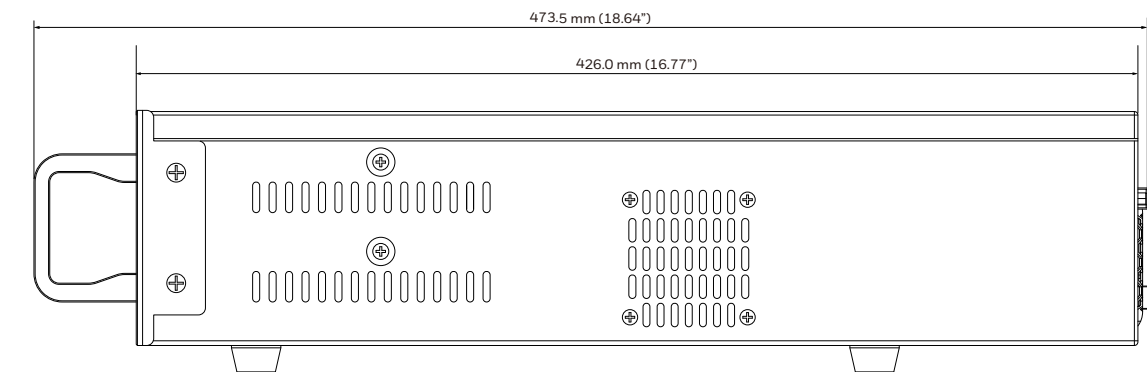
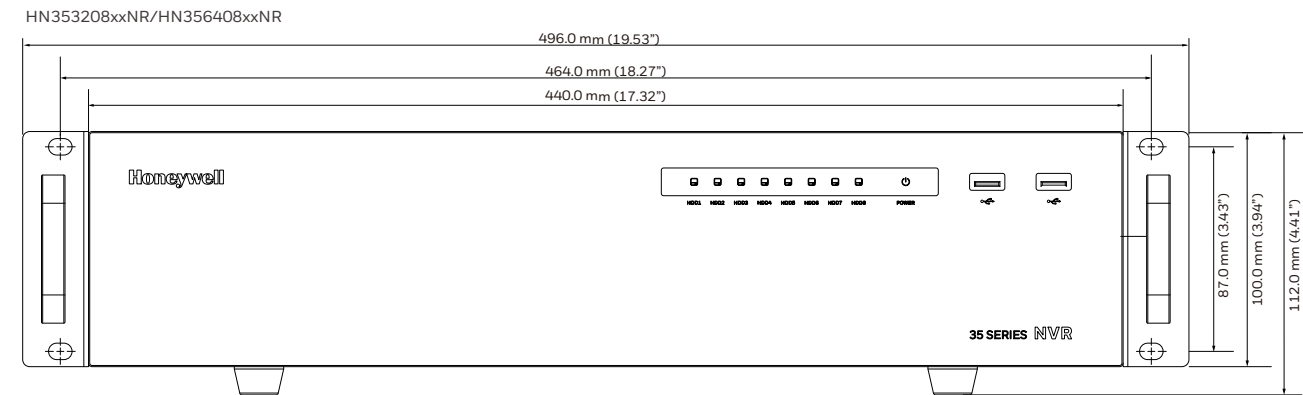
HN356408xxDR (Dual Power Supply)



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

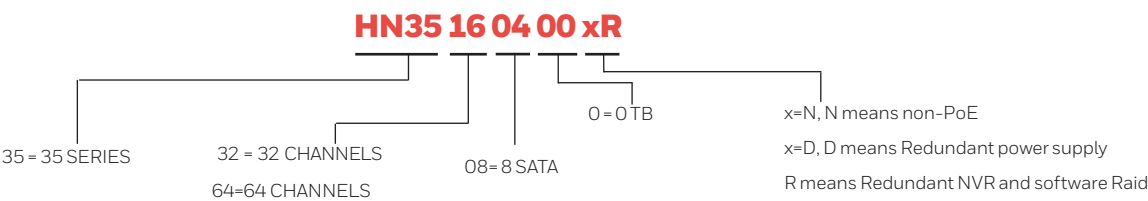
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DIMENSIONS



35 SERIES HN35 PRO, 16 / 32 / 64 CH 4K

PART NUMBER LOOKUP



ORDERING

MODEL	DESCRIPTION
HN35 RRO - 32/64 CH	
HN35320800NR	32Chs NVR 4K (8 MP) Support, H.265/H.264, Stream Encryption, 8 SATA, 0TB, Non PoE, RAID
HN35640800NR	64Chs NVR 4K (8 MP) Support, H.265/H.264, Stream Encryption, 8 SATA, 0TB, Non PoE, RAID
HN35640800DR	64Chs NVR 4K (8 MP) Support, H.265/H.264, Stream Encryption, 8 SATA, 0TB, Non PoE, Dual Power, RAID

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