

35 SERIES HN35 PRO

16 / 32 / 64 Ch Embedded NVR

Introducing Honeywell's 35 Series HN35 PRO NVRs, a robustly-featured, cost-effective, NDAA Section 889 compliant NVR solution delivering 12 MP HD (UHD) video resolution and supporting 4K HDMI out perfect for small/medium businesses and enterprises. Choose a 16, 32 or 64 channel NVR with multiple hard drive options and up to 96 TB (12 TB per SATA) of internal storage with fail-over and RAID redundancy features for a flexible and reliable solution that grows with your business.



HN351604xxR/HN353204xxNR/HN356404xxNR



HN353208xxNR/HN356408xxNR



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 12 MP resolution live view and playback.
- Supports H.265 HEVC, H.264, Smart Codec.
- Notifications from expanded video analytics on 35 Series cameras
- Two-way audio/push notification.
- Supports up to 16 alarm input channels and 6 alarm relay output channels. (8 SATA).
- Maximum incoming bandwidth is 400 Mbps, and Maximum outgoing bandwidth is 400 Mbps.*
- Supports redundancy Failover** N+1 (Maximum N=10).
- Supports failover with backfill.
- Supports integration with Maxpro VMS

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P/TUTK 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.
- Video Analytics (VA) search based on object type (person, vehicle)

CONVENIENT, FLEXIBLE, REDUNDANT STORAGE OPTIONS

- Internal storage supports 8 HDDs expandable up to 96 TB (12 TB per SATA) of internal storage.
- Enhanced external recording and video clip storage: eSATA, NAS, local USB device, PC client on web side.
- Supports RAID*** 5/6 storage options.

FEATURES

- | | | | | |
|---|--|---|---|--|
| <ul style="list-style-type: none">• H.265/H.264• HDMI/VGA simultaneous video output• USB ports support Keyboard and Mouse | <ul style="list-style-type: none">• Supports alarm input and alarm output• Supports sending events through email, FTP, alarm out or push notification | <ul style="list-style-type: none">• Configurable to automatically detect and respond to motion in the scene, alarm inputs, and network failure or tampering | <ul style="list-style-type: none">• Supports visual or auditory notifications such as a flashing light, bell, or siren• Support RAID *** 5/6 | <ul style="list-style-type: none">• Supports recording a video clip of events for distribution |
|---|--|---|---|--|

*400 Mbps is achievable when video streams are not encrypted. It is needed to split the HDD array into at least two equal storage groups.

**Failover is not available for PoE models.

***For optimum performance, RAID functionality requires models with Enterprise Hard Disk Drives.

Honeywell

35 SERIES HN35 PRO, 16 / 32 / 64 CH

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 log, Event log, Operation log
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	Yes
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 & TLS1.3, Stream encryption, AES128 / 256, Telnet & ssh closed, PCI-DSS compliance, Built-In encryption chipset, System log
Export Watermark Video Clip	Supported encryption key and customizable watermark
HDD Key Lock	Supported encryption on HDD (optional)
Easy Configuration	P2P (QR code)
On-Board Reset	Yes
SDK	Available (Post Signing NDA)
VIDEO	
Inputs	HN351604xxR: 16 channels HN353204xxNR/HN353208xxNR: 32 channels HN356404xxNR/HN356408xxNR: 64 channels
AUDIO	
Audio Input/Output	3.5 mm Line in x 1 3.5 mm Line out x 1
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, 1024 x 768
Display Split	HN351604xxR: 1/4/9/16 HN353204xxNR/HN353208xxNR: 1/4/9/16/32 HN356404xxNR/HN356408xxNR: 1/4/9/16/32/64
OSD	Time, channel name, customized label description for OSD
Privacy Mask	Up to 4 areas
Stream Application	HN351604xxR: 1 x 1: 1ch 12 MP MAX, 2 x 2: 4ch 4 MP, 3 x 3: 9ch 2 MP, 4 x 4: 16ch D1 HN353204xxNR: 1 x 1: 1ch 12 MP MAX, 2 x 2: 4ch 4 MP, 3 x 3: 9ch 2 MP, 6 x 6: 32ch D1 HN353208xxNR: 1 x 1: 1ch 12 MP MAX, 2 x 2: 4ch 4K, 4 x 4: 16ch 2 MP, 32: 32ch D1 HN356404xxNR/HN356408xxNR: 1 x 1: 1ch 12 MP MAX, 2 x 2: 4ch 4K, 4 x 4: 16ch 2 MP, 8 x 8: 64ch D1
Fisheye Dewarp	On 1CH up to 11 dewarping options (NVR local UI), On 1CH up to 4 dewarping options (NVR web UI), On multiple CHs up to 11 dewarping options (HSV VMS Windows® desktop), On 1CH up to 3 dewarping options (HSV mobile app).
PTZ Operation	Direction control, Home, Iris, Preset, Patrol (group), Focus +/- Zoom +/-
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	Up to 4000 x 3000
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Pre-Event Recording Interval	Main stream: 2 Mbps Sub stream: 1 Mbps
Post-Event Recording Interval	30 s (Max. 60 s)
ANR(Automatic Network Replenishment)	Supported
Recording Stream	Camera Stream 1 Camera Stream 2
Recording Throughput	HN351604xxR: up to 160 Mbps HN353204xxNR/HN353208xxNR: up to 320 Mbps HN356404xxNR/HN356408xxNR: up to 400 Mbps*

* 400 Mbps is achievable when video streams are not encrypted. It is needed to split the HDD array into at least two equal storage groups.
** For optimum performance, RAID functionality requires models with Enterprise Hard Disk Drives.
*** Failover is not applicable for PoE models: HN351604xxR.

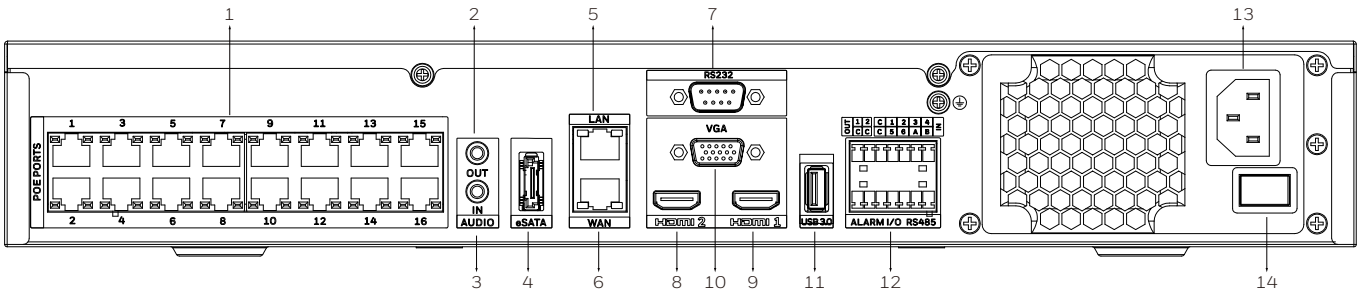
VIDEO DETECTION AND ALARMS	
Event	Camera: Camera alarm in, Video loss, Audio detection, Temperature threshold alarm, Temperature threshold warning, Temperature difference alarm, Temperature difference warning, Temperature section alarm, Temperature rise alarm, Temperature rise warning, Face detection, Motion detection, Smart motion detection, Scene change, Smoker detection, Smoke and flame detection, Fire spot detection, Intrusion, Line crossing detection, Unattended object detection, Missing object detection, Wrong way detection, Multi loitering, People counter, Illegal access, local intelligent intrusion detection System: HN351604xxR: System alarm in/out, IP conflict, Network disconnected, No disk, Disk abnormal, Hard disk full, NAS offline, Auto backup failed, RAID damaged, RAID degraded, RAID rebuild start and complete HN353204xxNR/HN353208xxNR/HN356404xxNR/HN356408xxNR: System alarm in/out, IP conflict, Network disconnected, No disk, Disk abnormal, Hard disk full, Failover alarm, NAS offline, Auto backup failed, RAID damaged, RAID degraded, RAID rebuild start and complete
Event Action	Buzzer, Push message to App, Pop up message to monitor, Full screen, Email, FTP/SFTP, PTZ, Alarm out, Camera alarm out, Event recording
Event Search	Support VA event search by object type (Human, Vehicle, Pet, Audio) and detail attribute (Gender, Age, Mask, Clothing Color, Vehicle Color etc.)
Supported Cameras	Honeywell 30/60/70/35 series camera, S60 Multi-sensor, Bi-spectrum camera, S35 dual-light color camera, S35 180° dual sensor camera, S35 pinhole, S60 4K PTZ, S35 fisheye camera, S60 refresh camera (more details refer to integration matrix)
Alarm Input	HN351604xxR: 6 HN353204xxNR/HN353208xxNR/HN356404xxNR/HN356408xxNR: 16
Alarm Out	HN351604xxR: 2 HN353204xxNR: 4 HN356404xxNR/HN353208xxNR/HN356408xxNR: 6
RS485	Supported
RS232	Supported
e-SATA	Directly recording, Auto backup
STORAGE	
Internal HDD	HN351604xxR/HN353204xxNR: Internal x 4 (3.5") HN356404xxNR/HN353208xxNR/HN356408xxNR: Internal x 8 (3.5")
HDD Max. Capacity	Enterprise Class HDD (RAID supported): 12 TB
Manual Backup	USB Dongle (FAT format)
RAID**	RAID 5/6 (Max. 80 TB for each RAID, need enterprise hard disk)
NAS	Directly recording, Auto backup
Failover***	HN353204xxNR/HN353208xxNR/HN356404xxNR/HN356408xxNR: Failover N+1, auto backfill supported
PLAYBACK AND BACKUP	
Sync Playback	16 channels
Decoding	HN351604xxR: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 3840 x 2160 @ 30 fps (1-CH), 2560 x 1920 @ 120fps(4-CH), 1920 x 1080 @ 270 fps (9-CH), 720 x 576 @ 480 fps (16-CH) HN353204xxNR: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 3840 x 2160 @ 30 fps (1-CH), 2560 x 1920 @ 120 fps(4-CH), 1920 x 1080 @ 270 fps (9-CH), 720 x 576 @ 960 fps (32-CH) HN353208xxNR: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 3840 x 2160 @ 120 fps (4-CH), 1920 x 1080 @ 480 fps (16-CH), 720 x 576 @ 960 fps (32-CH) HN356404xxNR/HN356408xxNR: H.265/H.264: 4000 x 3000 @ 30 fps (1-CH), 3840 x 2160 @ 120 fps (4-CH), 1920 x 1080 @ 480 fps (16-CH), 720 x 576 @ 1920 fps (64-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	10/100/1000 Mbps Ethernet (RJ-45) x 2
PoE	HN351604xxR: 802.3at/af compliant PoE ports x 16
Supported Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP (Secure), DNS, DDNS, IP Filter, P2P, SNMP
Maximum Number Of Users	16
Network Throughput	HN351604xxR: up to 160 Mbps HN353204xxNR/HN353208xxNR: up to 320 Mbps HN356404xxNR/HN356408xxNR: up to 400 Mbps*
Smart Phone Compatibility	iOS 11 or later and Android 8.0 or later support
Browsers	Edge, Chrome, Firefox, Safari

35 SERIES HN35 PRO, 16 / 32 / 64 CH

AUXILIARY INTERFACE		RECOMMENDED CAMERAS	
USB Ports	Front x 2, USB 2.0, Back x 1, USB 3.0	Fixed Dome Cameras	HC35W43R3, HC35W45R3, HC35W48R3
ELECTRICAL		MFZ Dome Camera	HC35W43R2, HC35W45R2, HC35W48R2, HC60W35R2P-V, HC60W35R4P-V, HC60W45R2P-V, HC70W48R2
Power Supply	HN351604xxR/HN353204xxNR/HN353208xxNR/HN356404xxNR/ HN356408xxNR: 100-240V AC, 50/60 Hz	Fixed Bullet Camera	HC35WB3R3, HC35WB5R3, HC35WB8R3, HC35CB5R3
Power Consumption	HN351604xxR: Max. 300 W; 15W without HDD Total PoE power consumption Max. 140 W, 30 W for a single port HN353204xxNR/HN356404xxNR: Max. 200 W; 15 W without HDD HN353208xxNR/HN356408xxNR: Max. 250 W; 15 W without HDD	MFZ Bullet Camera	HC35WB3R2, HC35WB5R2, HC35WB8R2, HC60WB5R2P-V, HC60WB5R5P-V, HC70WB8R2
ENVIRONMENTAL		Fixed Ball Camera	HC35WE3R3, HC35WE5R3, HC35WE8R3, HC35CE5R3
Operating Temperature	-10°C ~ 55°C (14°F ~ 131°F)	MFZ Ball Camera	HC35WE3R2, HC35WE5R2, HC35WE8R2
Relative Humidity	Less than 90% RH	Fixed Micro Dome Camera	HC35W25R3, HC35W25R3-H
Storage Temperature	-40°C to 60°C (-40°F ~ 140°F)	Speed Dome Camera (PTZ)	HC35WZ2R25, HC35WZ5R30, HC60WZ4R40WI, HC60WZ4R40KI, HC60WZ8R40WI, HC60WZ8R40KI, HC70WZ5130, HC70WZ5130-S, HC70WZ5E30
PHYSICAL		Corner Camera	HC70WC5R3
Dimensions	HN351604xxR/HN353204xxNR/HN356404xxNR: 440 × 370 × 67 mm (17.32 × 14.57 × 2.64 inch) HN353208xxNR/HN356408xxNR: 440 × 426 × 100 mm (17.32 × 16.77 × 3.94 inch)	Dual Sensor Camera	HC35WMBAR1
Weight (Without HDD)	HN351604xxR: 4.65 kg (10.25 lb) without HDD HN353204xxNR/HN356404xxNR: 4.5 kg (9.92 lb) without HDD HN353208xxNR/HN356408xxNR: 7 kg (15.43 lb) without HDD	Split Pin-Hole Camera	HC35WP5B (Lenses: HA35P2L28 / HA35P5L37 / HA35P5F12)
		Fisheye Camera	HC35WF6R1, HC35WFCR1, HC60WFCR1-V
REGULATORY		Bi-Spectrum Camera	HC35TE5R3JT21, HC35TE5R4JT35, HC35TB5R1JT07, HC35TB5R4JT10, HCS1TB4R1VT09, HCS1TB4R4VT15, HCS1TB4R2VT25, HCS1TB4R2VT35, HCS1TB4R2VT50, HC60TB4R1VT09, HC60TB4R4VT15, HC60TB4R2VT25, HC60TB4R2VT35, HC60TB4R2VT50
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 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)		
Country of Origin	Vietnam		
Warranty	5 Years		

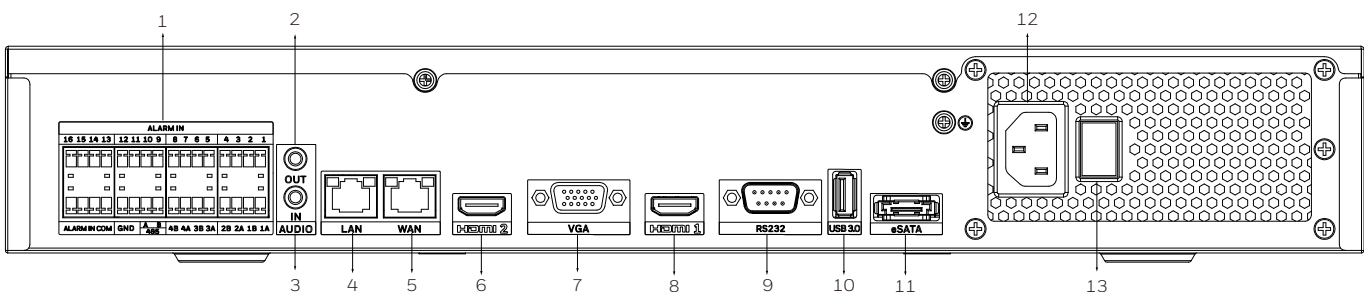
SYSTEM DIAGRAM

HN351604XXR



1. PoE Ports 2. Audio Out 3. Audio In 4. eSATA Port 5. LAN Port 6. WAN Port 7. RS232 Port 8. HDMI 2 Port 9. HDMI 1 Port 10. VGA Port 11. USB Port 12. Alarm Input/Output 13. Power Input 14. Power Switch

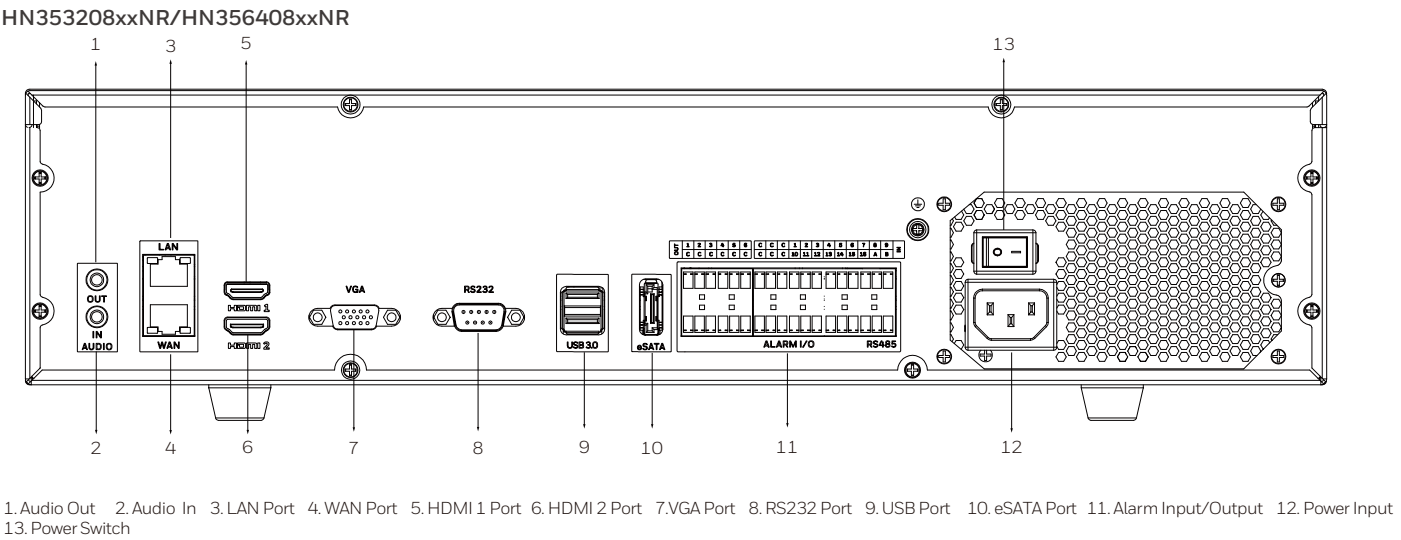
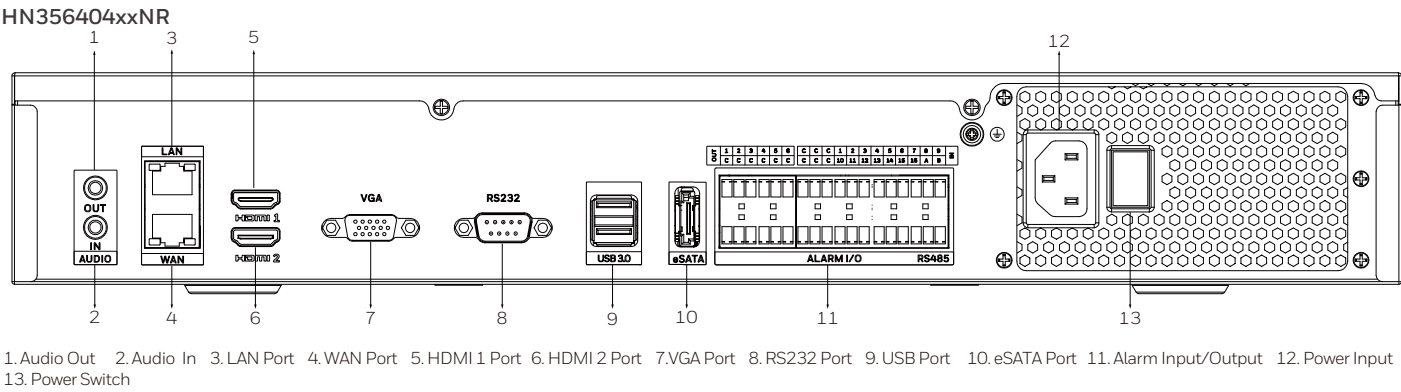
HN353204xxNR



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

35 SERIES HN35 PRO, 16 / 32 / 64 CH

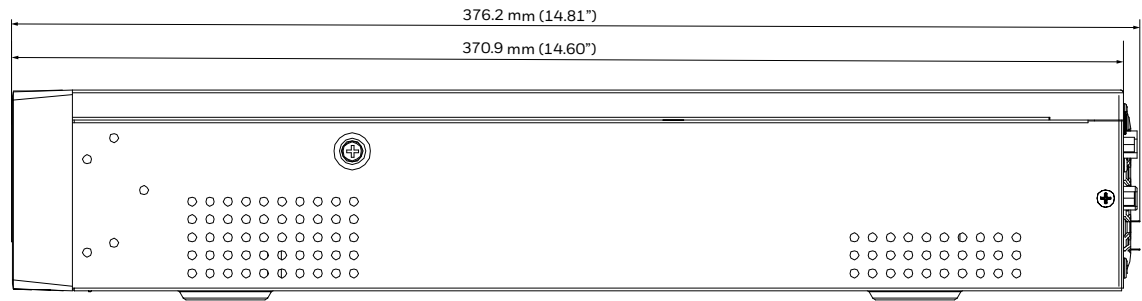
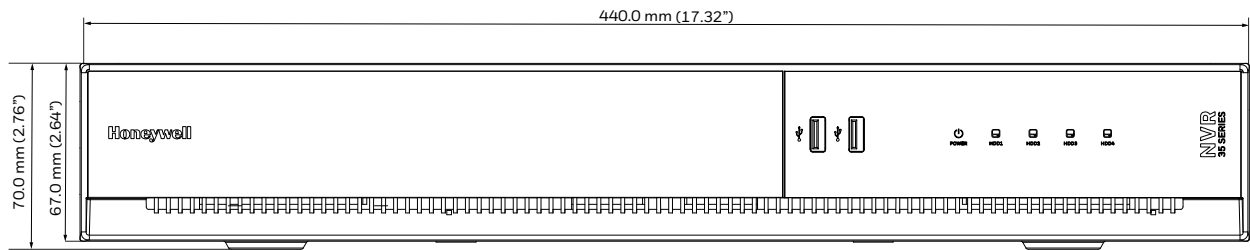
SYSTEM DIAGRAM



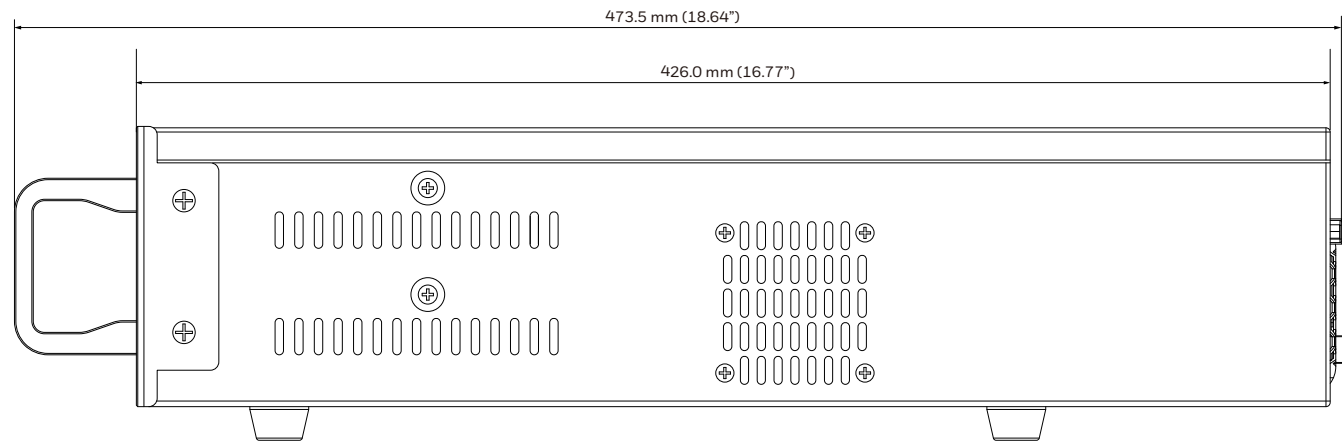
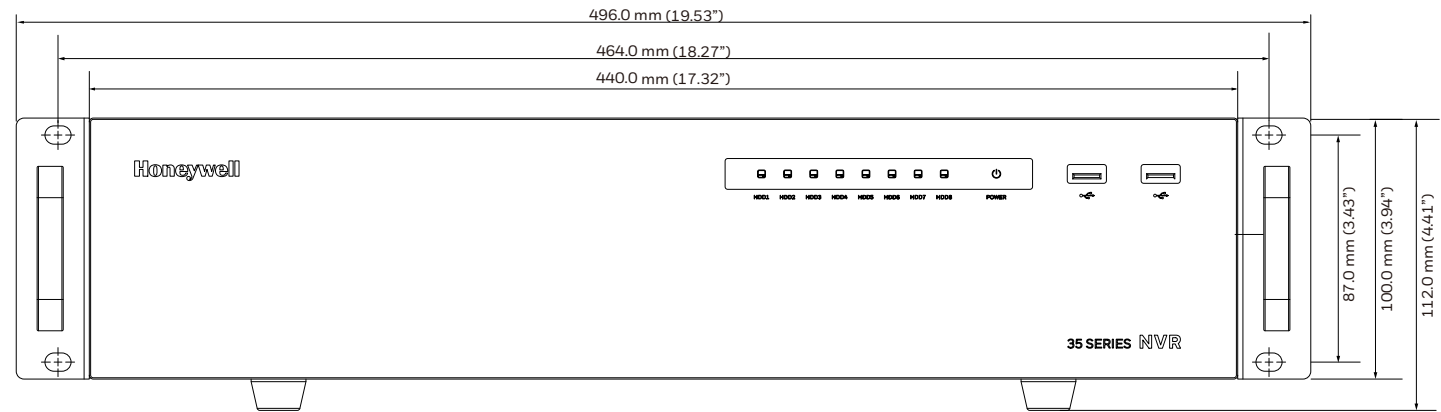
35 SERIES HN35 PRO, 16 / 32 / 64 CH

DIMENSIONS

HN351604xxR/HN353204xxNR/HN356404xxNR

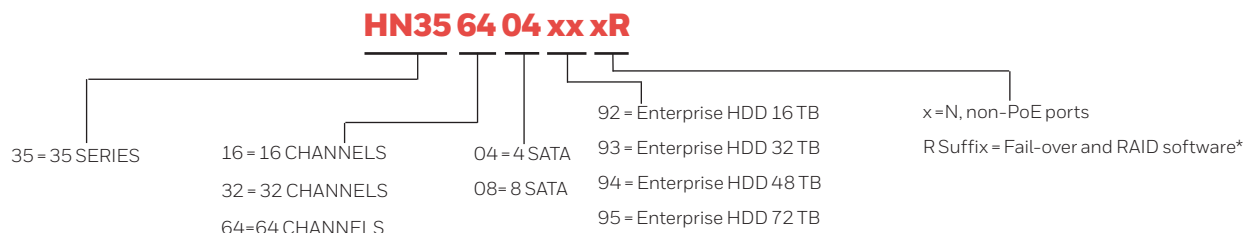


HN353208xxNR/HN356408xxNR



35 SERIES HN35 PRO, 16 / 32 / 64 CH

PART NUMBER LOOKUP



*For optimum performance, RAID functionality requires models with Enterprise Hard Disk Drives.

ORDERING

MODEL	DESCRIPTION	RAID CAPACITY WITHOUT HOT SPARE
16 Channel, PoE Ports, 4 SATA		
MODELS WITH ENTERPRISE HARD DISK DRIVE		
HN35160492R**	16 Chs NVR, PoE, 4 SATA, 16 TB (4 x 4 TB), RAID	12TB RAID5, 8TB RAID6
HN35160494R	16 Chs NVR, PoE, 4 SATA, 48 TB (4 x 12 TB), RAID	36TB RAID5, 24TB RAID6
32 / 64 Channel, Non-PoE Ports, 4 SATA		
MODELS WITH ENTERPRISE HARD DISK DRIVE		
HN35320492NR	32 Chs NVR, 4 SATA, 16 TB (4 x 4 TB), non-PoE, RAID	12TB RAID5, 8TB RAID6
HN35320494NR	32 Chs NVR, 4 SATA, 48 TB (4 x 12 TB), non-PoE, RAID	36TB RAID5, 24TB RAID6
HN35640492NR	64 Chs NVR, 4 SATA, 16 TB (4 x 4 TB), non-PoE, RAID	12TB RAID5, 8TB RAID6
HN35640494NR	64 Chs NVR, 4 SATA, 48 TB (4 x 12 TB), non-PoE, RAID	36TB RAID5, 24TB RAID6

**Failover is not available for PoE models.

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

MODEL	DESCRIPTION	RAID CAPACITY WITHOUT HOT SPARE
32 / 64 Channel, Non-PoE Ports, 8 SATA		
MODELS WITH ENTERPRISE HARD DISK DRIVE		
HN35320892NR	32 Chs NVR, 8 SATA, 16 TB (4 x 4 TB), non-PoE, RAID	12TB RAID5, 8TB RAID6
HN35320893NR	32 Chs NVR, 8 SATA, 32 TB (4 x 8 TB), non-PoE, RAID	24TB RAID5, 16TB RAID6
HN35320894NR	32 Chs NVR, 8 SATA, 48 TB (4 x 12 TB), non-PoE, RAID	36TB RAID5, 24TB RAID6
HN35640892NR	64 Chs NVR, 8 SATA, 16 TB (4 x 4 TB), non-PoE, RAID	12TB RAID5, 8TB RAID6
HN35640893NR	64 Chs NVR, 8 SATA, 32 TB (4 x 8 TB), non-PoE, RAID	24TB RAID5, 16TB RAID6
HN35640894NR	64 Chs NVR, 8 SATA, 48 TB (4 x 12 TB), non-PoE, RAID	36TB RAID5, 24TB RAID6
HN35640895NR	64 Chs NVR, 8 SATA, 72 TB (6 x 12 TB), non-PoE, RAID	60TB RAID5, 48TB RAID6
HN35 Enterprise Hard Disk Drive***		
HN35HDS02	Enterprise hard disk drive, 2 TB	
HN35HDS04	Enterprise hard disk drive, 4 TB	
HN35HDS08	Enterprise hard disk drive, 8 TB	
HN35HDS10	Enterprise hard disk drive, 10 TB	
HN35HDS12	Enterprise hard disk drive, 12 TB	

For more information:

buildings.honeywell.com/security



Honeywell Commercial Security

715 Peachtree St. NE

Atlanta, GA 30308

1.800.323.4576

www.honeywell.com

ONVIF and the ONVIF logo are trademarks of ONVIF Inc.
HEVC Advance logo is a trademark of HEVC Advance
Honeywell reserves the right, without notification, to
make changes in product design or specifications.

HBA-SEC-HN35ENVRPRO-DS-US-EN-09-2025-V3 Y
© 2025 Honeywell International Inc.

Honeywell