

35 SERIES HN35 PLUS HN35 PLUS MPC*



HN350802xxC, HN351602xxC



HN353204xx

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 8, 16 or 32 channel NVR with multiple hard drive options and up to 20 TB (2 bays) or 40 TB (4 bays) of internal storage for a flexible solution that grows with your business.

FULLY-FEATURED NVRs

- View 1 to 32 channels simultaneously with synchronized real-time playback (depending on decoding capacity and recording resolution)
- Up to 8 MP (4 K) Ultra HD (UHD) resolution live view and playback
- Supports H.265 HEVC, H.264, Smart Codec
- De-warp fisheye camera (HC30WF5R1) video, Honeywell Smart Viewer (HSV) MS Windows® desktop and HSV Mobile App for 360 degree situational awareness
- Supported alarms from 35 Series Cameras to NVR: Crowd, Multi Loitering, Intrusion, Tampering, Motion and Smart Motion Detection (SMD)
- Two-way audio/push notification

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P service with reliable connection and mobile apps for both Apple® and Android™ devices for anytime, anywhere access.
- MAXPRO Cloud (MPC)* and P2P integration to manage remote viewing and alarm management

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 4 HDDs expandable up to 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

FEATURES

- H.265/H.264
- Supports alarm input and alarm output
- Supports recording a video clip of events for distribution
- 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
- HDMI/VGA simultaneous video output
- Supports sending events through email, FTP, alarm out or push notification
- Supports uploading still images at the time of the event through email
- Supports recording a video clip of events for distribution
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- Supports uploading still images at the time of the event through email



MAXPRO CLOUD READY

- Integrated security with MAXPRO Cloud - Access, Intrusion** and Video for small to medium businesses/ enterprises with multi-site locations who want Cloud based flexibility to manage their security
- 8 or 16 Ch NDAA compliant NVRs with flexible storage options
- Remote firmware updates
- Monitor camera and NVR health status
- Push notifications of events from NVR
- Cloud storage for video event and alarms

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

EASY TO SETUP AND USE

- Plug and play feature together with 35 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

* 8 / 16 Channels are MAXPRO Cloud Ready

** Intrusion feature in Europe only

Honeywell

HN35 PLUS, HN35 PLUS MPC 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	Yes
Security	Chipset and streaming encryption
VIDEO	
Inputs	HN350802xxC: 8 channels HN35160xxxC: 16 channels HN353204xx: 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	HN350802xxC/HN351602xxC: HDMI x 1 (4 K Max), VGA x 1 (1080 P) HN351604xxC/HN353204xx: HDMI x 2 (only HDMI1 support 4 k), VGA x 1 (1080 P)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768
Display Split	HN350802xxC: 1 x 1, 2 x 2, 3 x 3, 1 + 7, customs HN35160xxxC: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 1 + 7, customs HN353204xx: 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	HN350802xxC: 1 X 1: 1 ch 12 MP MAX 2 x 2: 4 ch 4 MP 3 x 3: 8 ch 2 MP HN35160xxxC: 1 X 1: 1 ch 12 MP MAX 2 x 2: 4 ch 4 MP 3 x 3: 9 ch 2 MP 4 x 4: 16 ch D1 HN353204xx: 1 X 1: 1 ch 12 MP MAX 2 x 2: 4 ch 4 MP 3 x 3: 9 ch 2 MP 6 x 6: 32 ch D1
PTZ Operation	Direction control, Home, Iris, Preset, Patrol (group), Focus +/- Zoom +/-
VIDEO DETECTION AND ALARMS	
Event	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 mesage to monitor, Send email, Buzzer, FTP, PTZ-Preset, Full screen, Camera alarm out, System alarm out
Alarm Input	6
Alarm Out	2
RS485	Supported
RS232	HN350802xxC/HN351602xxC: Not supported HN351604xxC/HN353204xx: Supported
e-SATA	Supported
RECORDING	
Compression	H.265 HEVC smart codec/H.264
Resolution	Up to 3840 x 2160
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Max Pre-Event Recording Buffer Size	HN350802xxC/HN35160xxxC: Main stream: 32 Mbps Sub stream: 4 Mbps HN353204xx: Main stream: 8 Mbps Sub stream: 4 Mbps
Post-Event Recording Interval	30 s (Max. 60 s)
Recording Stream	Support main stream and sub stream simultaneous recording
Recording Throughput	HN350802xxC: 80 Mbps HN35160xxxC: 160 Mbps HN353204xx: 320 Mbps

STORAGE	
Internal HDD Slots	HN350802xxC/HN351602xxC: Internal x 2 (3.5") HN351604xxC/HN353204xx: Internal x 4 (3.5")
HDD Max. Capacity	10 TB
Manual Backup	USB Dongle (FAT Format)
PLAYBACK AND BACKUP	
Sync Playback	HN350802xxC: 8 channels HN35160xxxC/HN353204xx: 16 channels
Decoding	HN350802xxC: H.265/H.264: 3840 X 2160 @ 30 fps (1-CH), 2560 * 1920 @ 120 fps (4-CH), 1920 X 1080 @ 240 fps (8-CH) HN35160xxxC: H.265/H.264: 3840 X 2160 @ 30 fps (1-CH), 2592 X 1520 @ 120 fps (4-CH) 1920 X 1080 @ 270 fps (9-CH), 720 X 576 @ 480 fps (16-CH) HN353204xx: H.265/H.264: 3840 X 2160 @ 30 fps (1-CH), 2560 * 1920 @ 120 fps (4-CH), 1920 X 1080 @ 270 fps (9-CH), 720 X 576 @ 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	HN350802xxC/HN351602xxC: Max. 180 W; 15 W without HDD PoE Ports Output Power: 130W max. (30W max. for a single port) HN351604xxC/HN353204xx: Max. 300 W; 15 W without HDD PoE Ports Output Power: 140W max. (30W max. for a single port)
NETWORK	
Ethernet	HN350802xxC/HN35160xxxC/HN353204xx: 10/100/1000Mbps Ethernet (RJ-45) x 2
PoE	HN350802xxC: 802.3at/af compliant PoE ports x 8 HN35160xxxC/HN353204xx: 802.3at/af compliant PoE ports x 16
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	HN350802xxC: 80 Mbps HN35160xxxC: 160 Mbps HN353204xx: 320 Mbps
Smart Phone Compatibility	iOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, Safari
AUXILIARY INTERFACE	
USB Ports	HN350802xxC/HN35160xxxC/HN353204xx: Front x2, USB2.0; Back x 1
PHYSICAL	
Dimensions	HN351602xxC: 372.0 x 313.3 x 46.5 mm (14.65 x 12.33 x 1.83 inch) HN351604xxC/HN353204xx: 440.0 x 376.2 x 70.0 mm (17.32 x 14.81 x 2.76 inch)
Weight (Without HDD)	HN351602xxC: 2.75 kg (6.05 lb) without HDD HN350802xxC: 2.1 kg (4.63 lb) without HDD HN351604xxC/HN353204xx: 4.65 kg (10.25 lb) without HDD

HN35 PLUS, HN35 PLUS MPC 8 / 16 / 32 CH 4K EMBEDDED NVR

REGULATORY

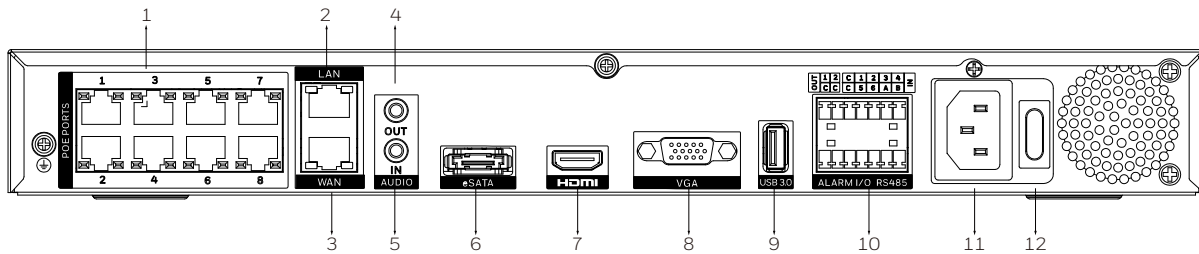
Emissions	FCC Part 15, CE (EN 55032, EN 61000-3-2, EN 61000-3-3, EN 61000-6-4), ICES-003, Comply with UKCA and RCM
Immunity	CE (EN 50130-4, EN 55024, EN 55035) Comply with UKCA and RCM
Safety	UL LISTED TO UL/CSA 62368-1, CE (EN 62368-1), Comply with UKCA and RCM
RoHS	CE (EN 63000), UAE (Cabinet Decree 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	HC35WZ2R25, HC35WZ5R30

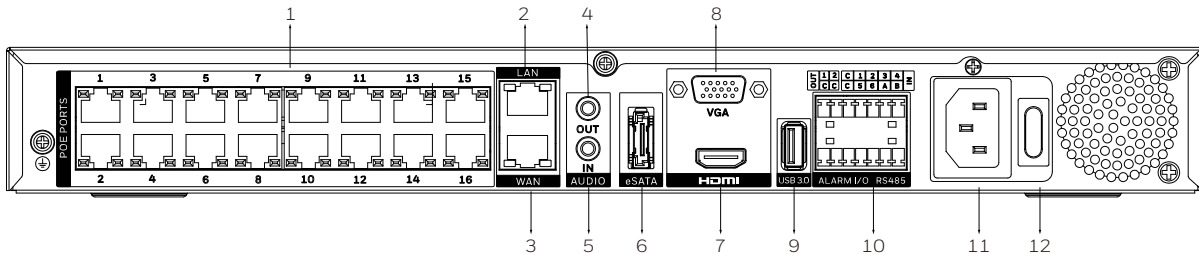
SYSTEM DIAGRAM

HN350802xxC



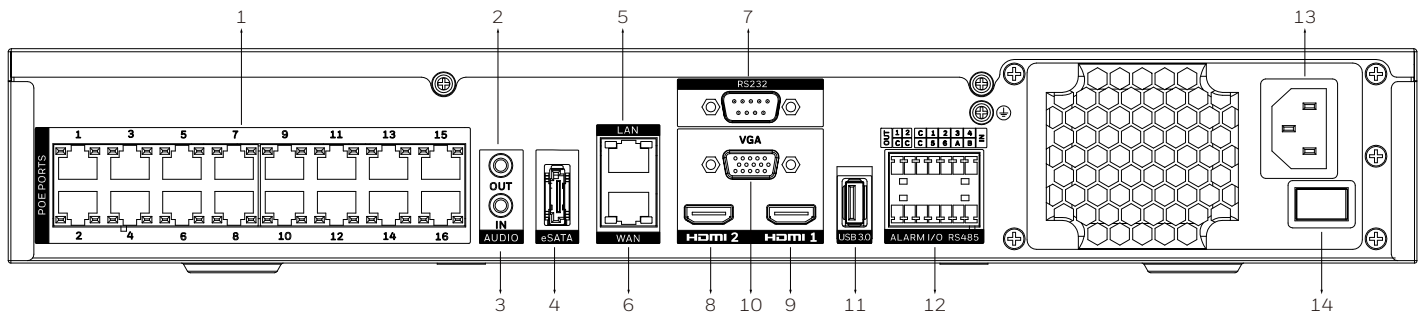
1. PoE Ports 2. LAN Port 3. WAN Port 4. Audio Out 5. Audio In 6. eSATA Port 7. HDMI Port 8. VGA Port 9. USB Port 10. Alarm Input/Output
11. Power Input 12. Power Switch

HN351602xxC



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

HN351604xxC/HN353204xx

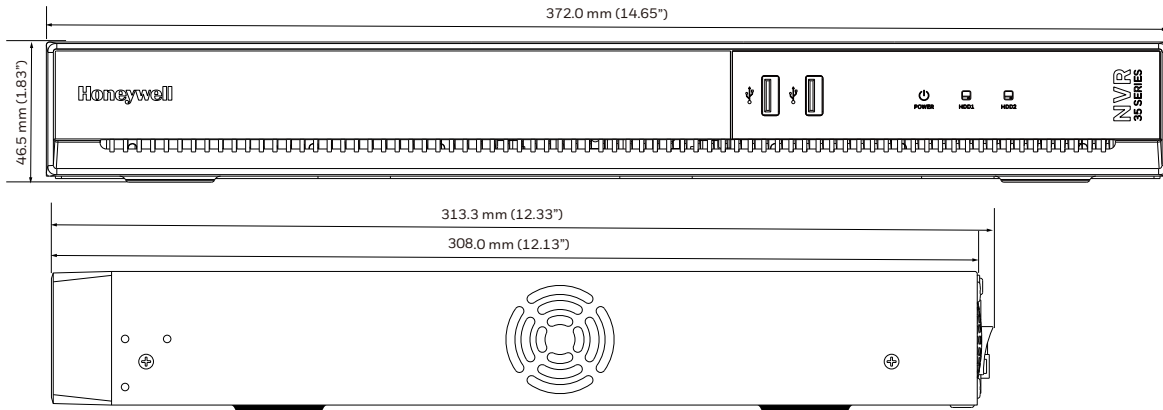


1. PoE Ports 2. Audio Out 3. Audio In 4. eSATA Port 5. LAN Port 6. WAN Port 7. RS232 Port 8. HDMI 2 Port 9. HDMI 1 Port 10. VGA Port 11. USB Port 12. Alarm Input/Output
13. Power Input 14. Power Switch

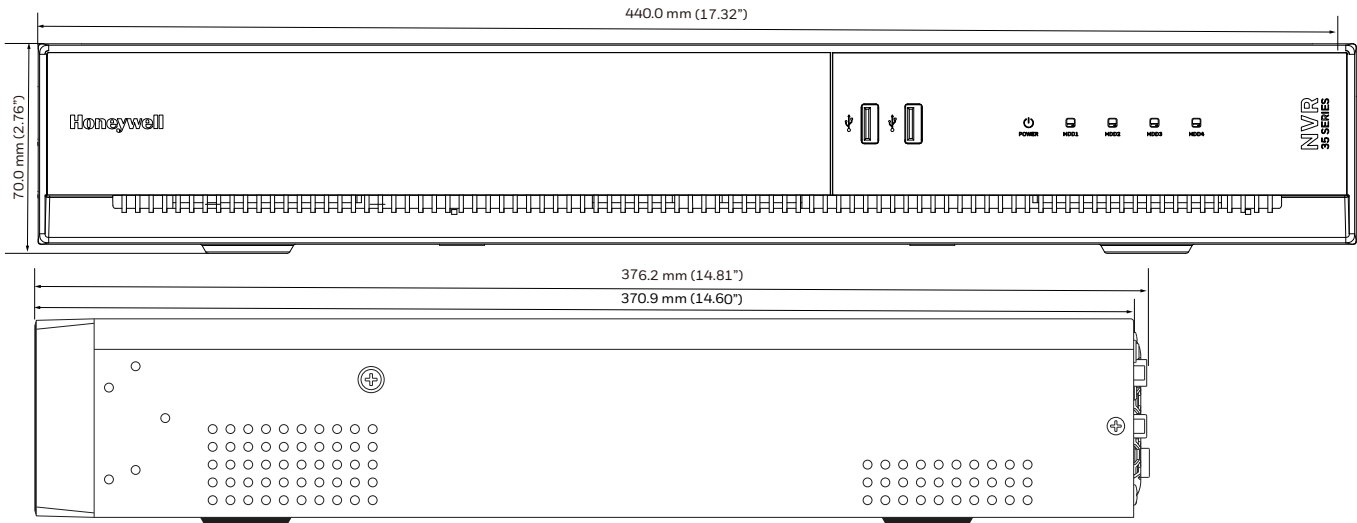
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DIMENSIONS

HN350802xxC/HN351602xxC

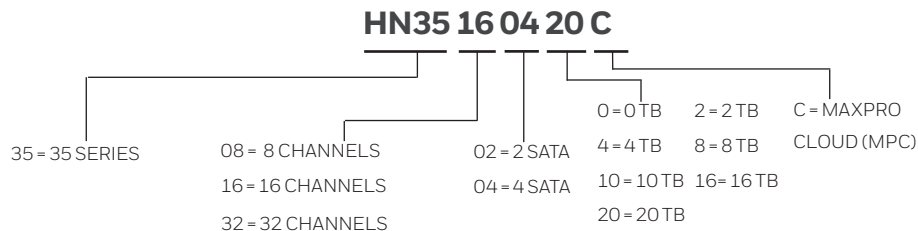


HN351604xxC/HN353204xx



HN35 PLUS, HN35 PLUS MPC 8 / 16 / 32 CH 4K EMBEDDED NVR

PART NUMBER LOOKUP



ORDERING

MODEL	DESCRIPTION
HN35 PLUS MPC - 8 / 16 CH	
HN35080200C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 0 TB, 2 SATA, MPC
HN35080202C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 2 TB, 2 SATA, MPC
HN35080204C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 4 TB, 2 SATA, MPC
HN35080208C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 8 TB, 2 SATA, MPC
HN35080210C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 10 TB, 2 SATA, MPC
HN35080216C	8 Chs NVR 4K Support, H.265/H.264, 8 Chs PoE, Stream Encryption, 16 TB, 2 SATA, MPC
HN35160200C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 0 TB, 2 SATA, MPC
HN35160204C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 4 TB, 2 SATA, MPC
HN35160208C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 8 TB, 2 SATA, MPC
HN35160210C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 10 TB, 2 SATA, MPC
HN35160216C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 16 TB, 2 SATA, MPC
HN35160220C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 20 TB, 2 SATA, MPC
HN35160400C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 0 TB, 4 SATA, MPC
HN35160404C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 4 TB, 4 SATA, MPC
HN35160408C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 8 TB, 4 SATA, MPC
HN35160410C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 10 TB, 4 SATA, MPC
HN35160416C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 16 TB, 4 SATA, MPC
HN35160420C	16 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 20 TB, 4 SATA, MPC

MODEL	DESCRIPTION
HN35 PLUS - 32 CH	
HN35320400	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 0 TB, 4 SATA
HN35320404	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 4 TB, 4 SATA
HN35320408	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 8 TB, 4 SATA
HN35320410	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 10 TB, 4 SATA
HN35320416	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 16 TB, 4 SATA
HN35320420	32 Chs NVR 4K Support, H.265/H.264, 16 Chs PoE, Stream Encryption, 20 TB, 4 SATA
HN35 HARD DRIVE	
HN30HDS10	Hard Drive, 10TB

For more information:
buildings.honeywell.com/security

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