

35 SERIES

HN350401xx

HN351602xx

HN350802xx

Embedded Network Video Recorder

Introducing the Honeywell 35 Series Embedded NVRs, a new, robustly-featured, NDAA Section 889 compliant NVR solution which delivers 4K HD (UHD) video resolution at a cost-effective price and can grow with your business. Choose a 4, 8, or 16 channel NVR with multiple hard drive options and up to 10 TB of internal storage for an ideal and flexible solution to meet your NDAA Section 889 compliant surveillance needs.



HN350401xx

HN350802xx/HN351602xx



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

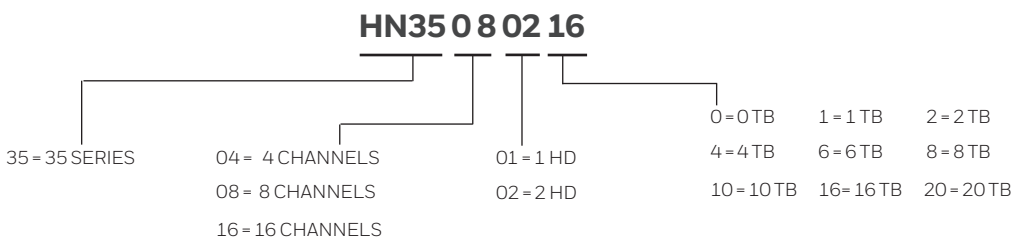
- For use as part of video systems which comply with NDAA Section 889
- Together with 35 series cameras, provides an end-to-end encrypted solution, with video streaming encrypted from 35 cameras to NVR, and video streaming/control encrypted between NVR and web client/viewer/mobile app
- PCI-DSS compliance

CONVENIENT, FLEXIBLE STORAGE OPTIONS

- Internal storage supports 2 HDDs expandable up to 20 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 USE

- Together 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



FEATURES

- HDMI/VGA simultaneous video output
- USB ports support Keyboard and Mouse
- Supports up to 4/8 alarm input channels and 1/2 alarm relay output channels
- 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

EMBEDDED NETWORK VIDEO RECORDER

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 | HN350401xx: No HN350802xx/HN351602xx: Yes |
| Security | Encrypted streaming and control |
| VIDEO | |
| Inputs | HN350401xx: 4 channels HN350802xx: 8 channels HN351602xx: 16 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 x1 (4K Max), VGA x1 (1080P) |
| Resolution | 3840 x 2160, 1920 x 1080, 1280 x 1024, 1024 x 768 |
| Display Split | HN350401xx: 1 x 1, 2 x 2, customs HN350802xx: 1 x 1, 2 x 2, 3 x 3, 1 + 7, customs HN351602xx: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 1 + 7, customs |
| OSD | Time OSD, channel OSD |
| Stream Application | HN350401xx: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 HN350802xx: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 3x3: Camera Stream 2 HN351602xx: 1x1: 1ch 4K MAX 2x2: 2MP in, 4x1080P 2x2: >2MP, Camera Stream 2 3x3: and above: Camera Stream 2 |
| PTZ Operation | Direction control, home, iris, preset, patrol |
| VIDEO DETECTION AND ALARMS | |
| Event | 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 |
| Event Action | Video Recording, Send Email, Buzzer, FTP, Camera Alarm Out, PTZ-Preset, System Alarm Out, Send Video to Full Screen |
| Alarm Input | HN350401xx: 4 HN350802xx/HN351602xx: 8 |
| Alarm Out | HN350401xx/HN350802xx: 1 HN351602xx: 2 |
| 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 | HN350401xx: Main Stream: 10Mb Sub Stream: 6Mb HN350802xx/HN351602xx: Main Stream: 8Mb Sub Stream: 4Mb |
| Post-Event Recording Interval | 30 s (Max. 60 s) |
| Recording Stream | Support main stream and sub stream simultaneous recording |
| Recording Throughput | HN350401xx/HN350802xx: 64 Mb HN351602xx: 128 Mb |

| STORAGE | |
|---------------------------|--|
| Internal HDD | HN350401xx: Internal x1 (3.5") HN350802xx/HN351602xx: Internal x2 (3.5") |
| HDD Max. Capacity | 10 TB |
| Manual Backup | USB Dongle (FAT Format) |
| PLAYBACK AND BACKUP | |
| Sync Playback | HN350401xx: 4 channels HN350802xx: 8 channels HN351602xx: 16 channels |
| Decoding | HN350401xx: H.265/H.264: 3840X2160 @ 30 fps (1-CH), 2560*1920 @30 fps (1-CH), 1920X1080 @ 120 fps (4-CH) HN350802xx: 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) HN351602xx: 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) |
| 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 | 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 | HN350401xx: Max. 65 W; 15W without HDD Total PoE power consumption Max. 45W, 30 W for a single port HN350802xx/HN351602xx: Max. 180 W; 15W without HDD Total PoE power consumption Max. 130 W, 30 W for a single port |
| NETWORK | |
| Ethernet | HN350401xx: 10/100Mbps Ethernet (RJ-45) x 1 HN350802xx/HN351602xx: 10/100/1000Mbps Ethernet (RJ-45) x 1 |
| PoE | HN350401xx: 802.3at/af compliant PoE ports x 4 HN350802xx: 802.3at/af compliant PoE ports x 8 HN351602xx: 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 | HN350401xx/HN350802xx: 64 Mb HN351602xx: 128 Mb |
| Smart Phone Compatibility | iOS 11 or later and Android 5.0 or later support |
| Browsers | Edge, Chrome, Firefox, Safari |

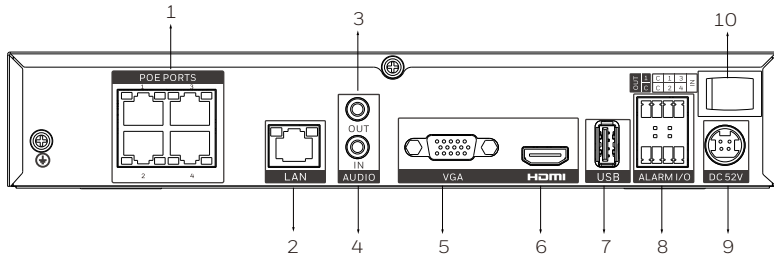
EMBEDDED NETWORK VIDEO RECORDER

| AUXILIARY INTERFACE | |
|----------------------|--|
| USB Ports | HN350401xx/HN350802xx/HN351602xx: Front x2, usb 2.0; Back x1, usb 2.0 |
| PHYSICAL | |
| Dimensions | HN350401xx: 255.0 × 237.3 × 45.3 mm (10.04 × 9.34 × 1.78 inch) HN350802xx/HN351602xx: 372.0 × 313.3 × 46.5 mm (14.65 × 12.33 × 1.83 inch) |
| Weight (Without HDD) | HN350401xx: 1 kg (2.20 lb) without HDD HN350802xx: 2.65 kg (5.84 lb) without HDD HN351602xx: 2.75 kg (6.05 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 | HC35WZ2R25, HC35WZ5R30 |

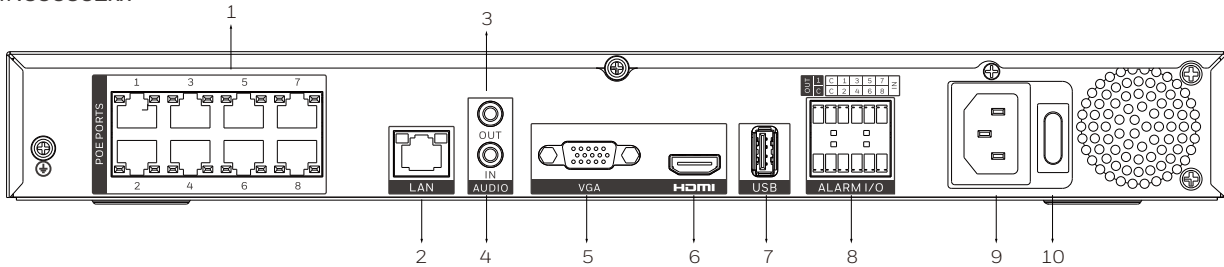
SYSTEM DIAGRAM

HN350401xx



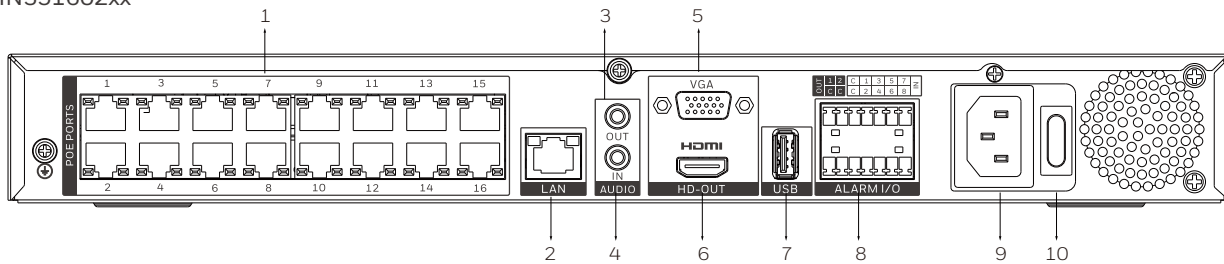
1. PoE Ports 2. LAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. USB Port 8. Alarm Input/Output 9. DC 52V Power Input 10. Power Switch

HN350802xx



1. PoE Ports 2. LAN 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

HN351602xx

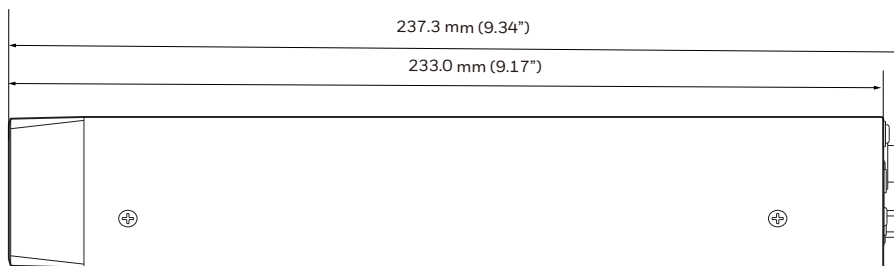
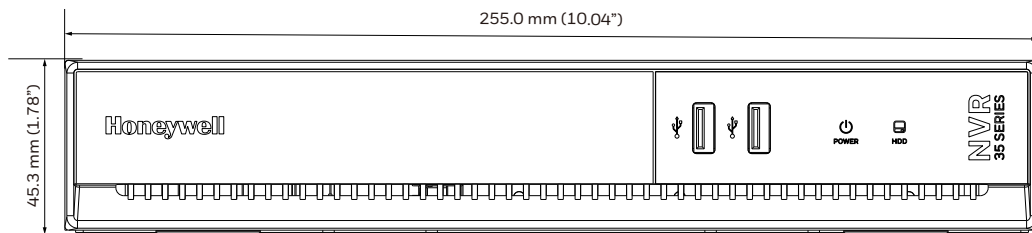


1. PoE Ports 2. LAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. USB Port 8. Alarm Input/Output 9. Power Input 10. Power Switch

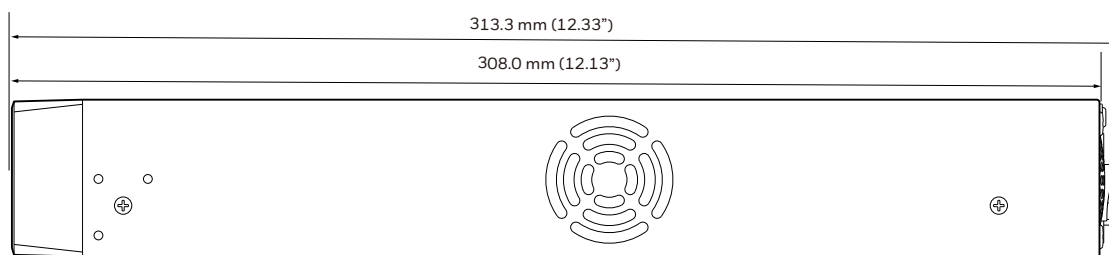
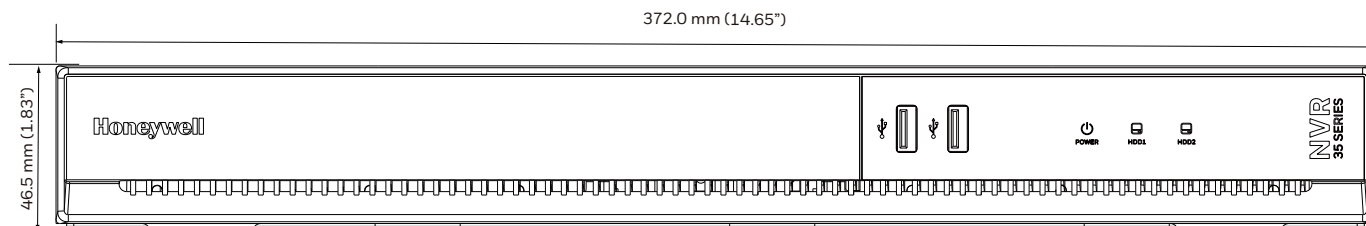
EMBEDDED NETWORK VIDEO RECORDER

DIMENSIONS

HN350401xx



HN350802xx/HN351602xx



EMBEDDED NETWORK VIDEO RECORDER

| ORDERING | |
|------------|--|
| HN35040100 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 0 TB, 1HD |
| HN35040101 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 1 TB, 1HD |
| HN35040102 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 2 TB, 1HD |
| HN35040104 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 4 TB, 1HD |
| HN35040106 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 6 TB, 1HD |
| HN35040108 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 8 TB, 1HD |
| HN35040110 | 4 Chs NVR 4k (8 Mp) Support, H.265/H.264, 4 Chs POE, Stream Encryption, 10 TB, 1HD |
| HN35080200 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 0 TB, 2HD |
| HN35080202 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 2 TB, 2HD |
| HN35080204 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 4 TB, 2HD |
| HN35080208 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 8 TB, 2HD |
| HN35080210 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 10 TB, 2HD |
| HN35080216 | 8 Chs NVR 4K (8 MP) Support, H.265/H.264, 8 Chs POE, Stream Encryption, 16 TB, 2HD |
| HN35160200 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 0 TB, 2HD |
| HN35160204 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 4 TB, 2HD |
| HN35160208 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 8 TB, 2HD |
| HN35160210 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 10TB, 2HD |
| HN35160216 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 16 TB, 2HD |
| HN35160220 | 16 Chs NVR 4K (8 MP) Support, H.265/H.264, 16 Chs POE, Stream Encryption, 20 TB, 2HD |

For more information

www.security.honeywell.com/uk
www.security.honeywell.com/me

Honeywell Commercial Security

Emaar Business Park, Sheikh Zayed Road
Building No. 2, 2nd floor, 201
Post Office Box 232362
Dubai, United Arab Emirates
Tel: +971 4 450 5800

140 Waterside Road
Hamilton Industrial Park
Leicester LE5 1TN
United Kingdom
Tel: +44 (0) 1928 378005
www.honeywell.com



HEVC Advance™

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.

HSV-HN35xxxxx-01-UK(0522)DS-Y
© 2022 Honeywell International Inc.

Honeywell