

35 SERIES HN35



HN350401xx



HN350802xx/HN351602xx



4 / 8 / 16 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, or 16 channel NVR with multiple hard drive options and up to 18 TB (per drive) 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, H.264, Smart Codec
- Multiple de-warping options of Honeywell fisheye camera video on NVR web UI, Honeywell Smart Viewer (HSV) and HSV Mobile App
- Together with 35 series cameras, offering bandwidth saving features like Smart codec
- Notifications from expanded video analytics on 35 Series cameras
- Two-way audio/push notification
- Supports integration with Maxpro VMS

DYNAMIC, ACCESSIBLE MONITORING

- Global P2P Service with reliable connection anytime, anywhere
- Mobile apps provide anytime, anywhere access for both Apple® and Android™ devices
- Video Analytics (VA) search based on object type (person, vehicle)

FEATURES

- H.265/H.264
- 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
- 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
- Supports recording a video clip of events for distribution

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 TLS1.2 & TLS1.3, video streaming and 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 18 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
- 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

35 SERIES - HN35 4 / 8 / 16 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, Regular User
Log	System log, Event log, Operation log
Date & Time	Time Zone, Manual, Automatic Sync NTP, Daylight Saving Time
Fan	HN350401xx: No HN350802xx/HN351602xx: 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
HDD Key Lock	Supported encryption on HDD (optional)
Easy configuration	P2P (QR code)
On-Board Reset	Yes
SDK	Available (Post Signing NDA)
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 x 1 (4K Max), VGA x 1 (1080 P)
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, channel name, customized label description for OSD
Privacy Mask	Up to 4 areas
Stream Application	HN350401xx: 1 x 1: 1ch 4K MAX, 2 x 2: 4ch 2MP HN350802xx: 1 x 1: 1ch 4K MAX, 2 x 2: 4ch 2MP 3 x 3: 8ch D1 HN351602xx: 1 x 1: 1ch 4K MAX, 2 x 2: 4ch 2MP 4 x 4: 16ch D1
Fisheye Dewarp	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 3840 x 2160
Frame Rate	30 fps
Recording Mode	Continuous, Manual, Event
Pre-Event Recording Interval	HN350401xx: Main Stream: 1.25 Mbps Sub Stream: 0.75 Mbps HN350802xx/HN351602xx: Main Stream: 1 Mbps Sub Stream: 0.5 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	HN350401xx/HN350802xx: 64 Mbps HN351602xx: 128 Mbps

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: System alarm in/out, IP conflict, Network disconnected, No disk, Disk error, Disk full, NAS offline, Auto backup failed, People counter (NVR)
Event Action	Video recording, Send email, Buzzer, FTP, Camera alarm out, PTZ-preset, System alarm out, Send video to full screen, Pop up message to monitor, Push message to App
Event Search	Support VA event search by object type (Human, Vehicle) 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	HN350401xx: 4 HN350802xx/HN351602xx: 8
Alarm Out	HN350401xx/HN350802xx: 1 HN351602xx: 2
STORAGE	
Internal HDD Slots	HN350401xx: Internal x 1 (3.5") HN350802xx/HN351602xx: Internal x 2 (3.5")
HDD Max. Capacity*	18 TB
Manual Backup	USB Dongle (FAT format)
NAS	Directly recording, Auto backup
PLAYBACK AND BACKUP	
Sync Playback	HN350401xx: 4 channels HN350802xx: 8 channels HN351602xx: 16 channels
Decoding	HN350401xx: H.265/H.264: 3840 x 2160 @ 30 fps (1-CH), 2560 x 1920 @ 30 fps (1-CH), 1920 x 1080 @ 120 fps (4-CH) HN350802xx: H.265/H.264: 3840 x 2160 @ 30 fps (1-CH), 2560 x 1920 @ 30 fps (1-CH), 1920 x 1080 @ 120 fps (4-CH), 720 x 576 @ 240 fps (8-CH) HN351602xx: H.265/H.264: 3840 x 2160 @ 30 fps (1-CH), 2560 x 1920 @ 30 fps (1-CH), 1920 x 1080 @ 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	HN350401xx: 10/100 Mbps Ethernet (RJ-45) x 1 HN350802xx/HN351602xx: 10/100/1000 Mbps 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, 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	HN350401xx/HN350802xx: 64 Mbps HN351602xx: 128 Mbps
Smart Phone Compatibility	iOS 11 or later and Android 5.0 or later support
Browsers	Edge, Chrome, Firefox, Safari
AUXILIARY INTERFACE	
USB Ports	Front x2, usb 2.0; Back x1, usb 2.0
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

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

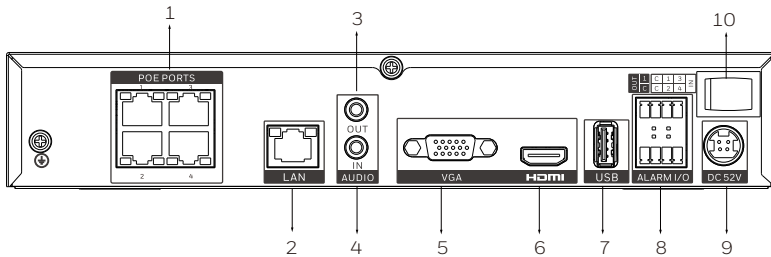
35 SERIES - HN35 4 / 8 / 16 CH 4K EMBEDDED NVR

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)
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)
Country of Origin	Vietnam
Warranty	5 Years

RECOMMENDED CAMERAS	
Fixed Dome Cameras	HC35W43R3, HC35W45R3, HC35W48R3
MFZ Dome Camera	HC35W43R2, HC35W45R2, HC35W48R2, HC60W35R2P-V, HC60W35R4P-V, HC60W45R2P-V, HC70W48R2
Fixed Bullet Camera	HC35WB3R3, HC35WB5R3, HC35WB8R3, HC35CB5R3
MFZ Bullet Camera	HC35WB3R2, HC35WB5R2, HC35WB8R2, HC60WB5R2P-V, HC60WB5R5P-V, HC70WB8R2
Fixed Ball Camera	HC35WE3R3, HC35WE5R3, HC35WE8R3, HC35CE5R3
MFZ Ball Camera	HC35WE3R2, HC35WE5R2, HC35WE8R2
Fixed Micro Dome Camera	HC35W25R3, HC35W25R3-H
Speed Dome Camera (PTZ)	HC35WZ2R25, HC35WZ5R30, HC60WZ4R40WI, HC60WZ4R40KI, HC60WZ8R40WI, HC60WZ8R40KI, HC70WZ5I30, HC70WZ5I30-S, HC70WZ5E30
Corner Camera	HC70WC5R3
Dual Sensor Camera	HC35WMBAR1
Split Pin-Hole Camera	HC35WP5B (Lenses: HA35P2L28 / HA35P5L37 / HA35P5F12)
Fisheye Camera	HC35WF6R1, HC35WFCR1, HC60WFCR1-V
Bi-Spectrum Camera	HC35TE5R3JT21, HC35TE5R4JT35, HC35TB5R1JT07, HC35TB5R4JT10, HCS1TB4R1VT09, HCS1TB4R4VT15, HCS1TB4R2VT25, HCS1TB4R2VT35, HCS1TB4R2VT50, HC60TB4R1VT09, HC60TB4R4VT15, HC60TB4R2VT25, HC60TB4R2VT35, HC60TB4R2VT50

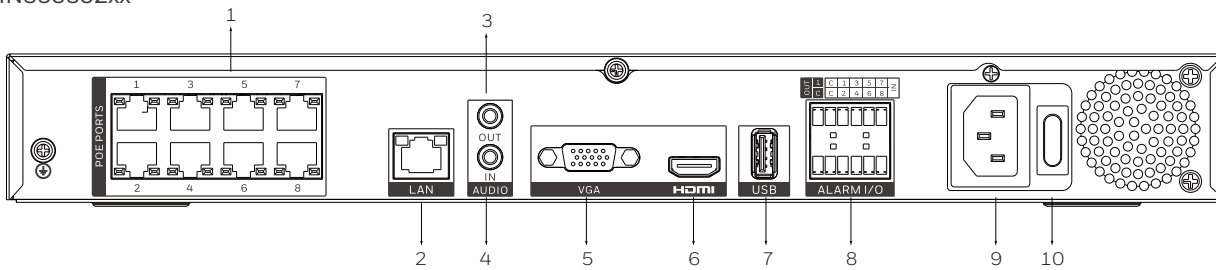
SYSTEM DIAGRAM

HN350401xx



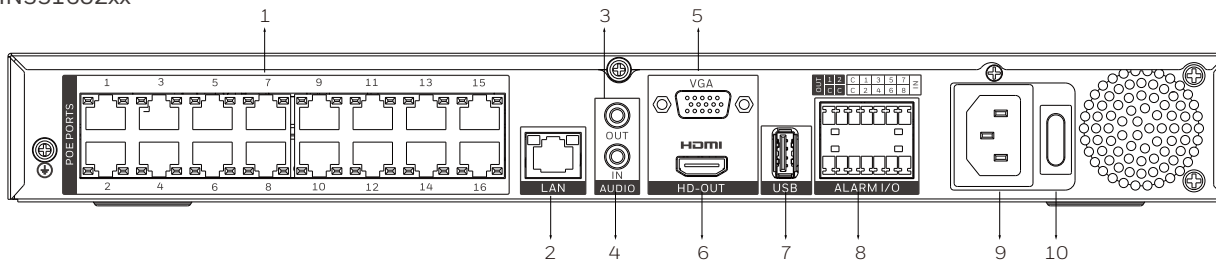
1. PoE Ports 2. LAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. USB Port 8. Alarm Input/Output 9. DC 52V Power Input 10. Power Switch

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

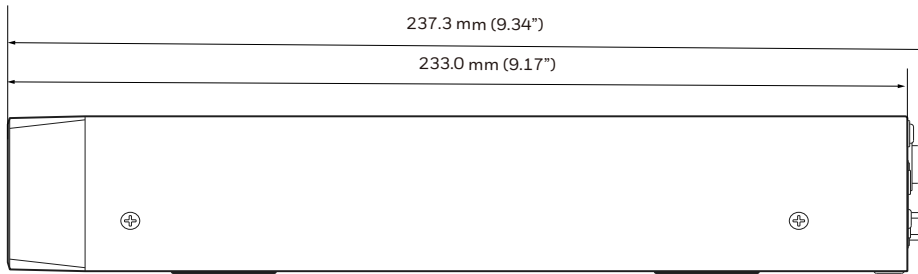


1. PoE Ports 2. LAN Port 3. Audio Out 4. Audio In 5. VGA Port 6. HDMI Port 7. USB Port 8. Alarm Input/Output 9. Power Input 10. Power Switch

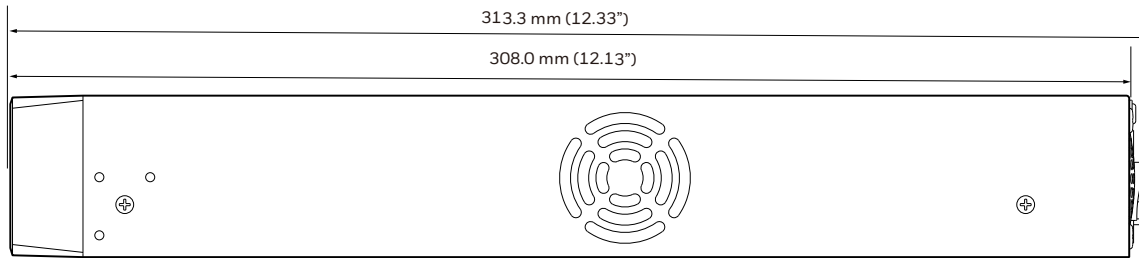
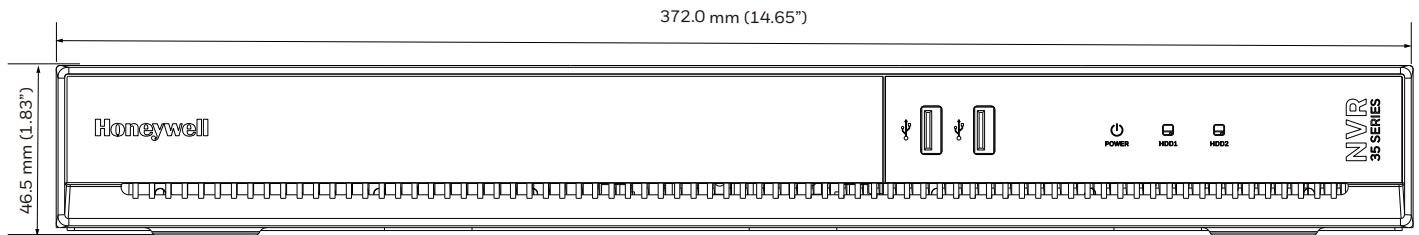
35 SERIES - HN35 4 / 8 / 16 CH 4K EMBEDDED NVR

DIMENSIONS

HN350401xx

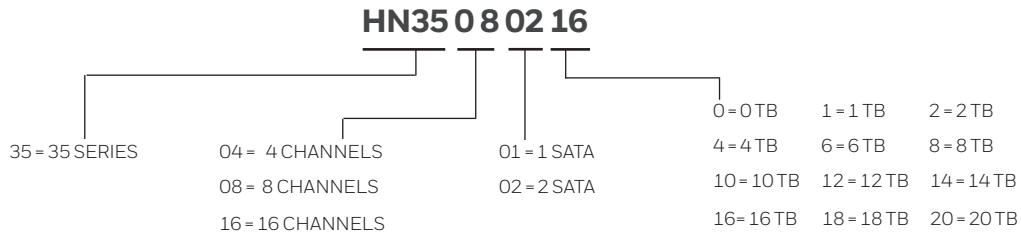


HN350802xx/HN351602xx



35 SERIES - HN35 4 / 8 / 16 CH 4K EMBEDDED NVR

PART NUMBER LOOKUP



ORDERING

MODEL	DESCRIPTION	MODEL	DESCRIPTION
HN35 - 4/ 8 CH		HN35 - 16 CH	
HN35040100	4 Chs NVR, PoE, 0 TB, 1 SATA	HN35160200	16 Chs NVR, PoE, 0 TB, 2 SATA
HN35040101	4 Chs NVR, PoE, 1 TB, 1 SATA	HN35160204	16 Chs NVR, PoE, 4 TB (1 x 4 TB), 2 SATA
HN35040102	4 Chs NVR, PoE, 2 TB, 1 SATA	HN35160208	16 Chs NVR, PoE, 8 TB (1 x 8 TB), 2 SATA
HN35040104	4 Chs NVR, PoE, 4 TB, 1 SATA	HN35160210	16 Chs NVR, PoE, 10TB (1 x 10 TB), 2 SATA
HN35040106	4 Chs NVR, PoE, 6 TB, 1 SATA	HN35160212	16 Chs NVR, PoE, 12 TB (1 x 12 TB), 2 SATA
HN35040108	4 Chs NVR, PoE, 8 TB, 1 SATA	HN35160214	16 Chs NVR, PoE, 14 TB (1 x 14 TB), 2 SATA
HN35040110	4 Chs NVR, PoE, 10 TB, 1 SATA	HN35160216	16 Chs NVR, PoE, 16 TB (2 x 8 TB), 2 SATA
HN35040112	4 Chs NVR, PoE, 12 TB, 1 SATA	HN35160218	16 Chs NVR, PoE, 18 TB (1 x 18 TB), 2 SATA
HN35040114	4 Chs NVR, PoE, 14 TB, 1 SATA	HN35160220	16 Chs NVR, PoE, 20 TB (2 x 10 TB), 2 SATA
HN35040118	4 Chs NVR, PoE, 18 TB, 1 SATA		
HN35080200	8 Chs NVR, PoE, 0 TB, 2 SATA	MODEL	DESCRIPTION
HN35080202	8 Chs NVR, PoE, 2 TB (1 x 2 TB), 2 SATA	HN35 Surveillance Hard Disk Drive*	
HN35080204	8 Chs NVR, PoE, 4 TB (1 x 4 TB), 2 SATA	HN30HDS02	Surveillance hard disk drive, 2 TB
HN35080208	8 Chs NVR, PoE, 8 TB (1 x 8 TB), 2 SATA	HN30HDS04	Surveillance hard disk drive, 4 TB
HN35080210	8 Chs NVR, PoE, 10 TB (1 x 10 TB), 2 SATA	HN30HDS08	Surveillance hard disk drive, 8 TB
HN35080212	8 Chs NVR, PoE, 12 TB (1 x 12 TB), 2 SATA	HN30HDS10	Surveillance hard disk drive, 10 TB
HN35080214	8 Chs NVR, PoE, 14 TB (1 x 14 TB), 2 SATA	HN30HDS12	Surveillance hard disk drive, 12 TB
HN35080216	8 Chs NVR, PoE, 16 TB (2 x 8 TB), 2 SATA	HN30HDS14	Surveillance hard disk drive, 14 TB
HN35080218	8 Chs NVR, PoE, 18 TB (1 x 18 TB), 2 SATA	HN30HDS18	Surveillance hard disk drive, 18 TB

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

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-HN35ENVR-DS-US-EN-09-2025-V3 Y
© 2025 Honeywell International Inc.

