

# MAXPRO<sup>®</sup> NVR XE



## 8/16-Channel Entry Level NVR



OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 7.5	
<b>DATABASE</b>	Microsoft® SQL Server® 2019 Express
<b>OPERATING SYSTEM</b>	Windows® 10 IoT Enterprise 2021 Value LTSC
<b>IMAGE COMPRESSIONS SUPPORTED</b>	MJPEG, MPEG-4, H.264, H.265
<b>SUPPORTED HONEYWELL IP CAMERAS AND ENCODERS</b>	Supports Honeywell's Performance IP, equip® Series, 30/35/60/70 Series IP cameras
<b>SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS</b>	Refer to the MAXPRO® NVR Compatibility on <a href="https://hwl.co/hota/">https://hwl.co/hota/</a> for a comprehensive list of compatible products to which this device is integrated.
<b>AUDIO SUPPORT</b>	2-way audio support for compatible cameras
<b>MAXIMUM NUMBER OF DESKTOP CLIENT CONNECTIONS</b>	Desktop Client - 18 remote per unit from 9 remote workstations + 1 local on NVR server
<b>SALVO LAYOUTS</b>	Desktop Client - Full, 2x2, 1x5, 3x3, 2x8, 1x12, 4x4. Web Client - 2x2, 1x1, 1x2, 1x3. Mobile app (Phone) - 2x2, 2x4, 1x2, 1x1. Mobile app (Tablet) - 3x3, 2x2, 1x1.
<b>PICTURE CONTROLS PER CAMERA</b>	Sharpness, blur, brightness, contrast, hue, saturation, maintain aspect ratio, stretched, original size and picture mirror
<b>OSD</b>	Concealed text option
<b>PLAYBACK CONTROLS PER CAMERA - DESKTOP CLIENT</b>	FWD/REV Play x (1, 2, 4, 8, 16) Slow FWD/REV Play x (1/2, 1/4, 1/8)
<b>SEARCH TYPES</b>	Time/date timeline, time jump FWD/REV, bookmarks, calendar, preview, film strip, event search and SMART Motion Search
<b>RECORDING SCHEDULE</b>	Continuous and event based with H/M/D and holiday and exception days
<b>RECORDING METHODS PER CAMERA</b>	Continuous, event based and user activated
<b>LIVE SETTINGS PER CAMERA</b>	Compression format, resolution and frame rate
<b>RECORD SETTINGS/CAMERA</b>	Same as live or can be a separate stream configuration
<b>CLIP FORMAT</b>	Honeywell MPVC and SMPVC playable with standalone MAXPRO Clip Player for faster and secure exports. WMV with digital certificate for authentication playable with Windows media player. ASF for faster exporting of longer than an hour backup clips in native compression format.
<b>VIDEO CLIP AUTHENTICATION</b>	Digital signature, verification tool provided
<b>MOTION DETECTION LOCATION</b>	Camera based for supported models or Server based (SMART VMD) for all models (except 360 fisheye/panomorph views)
<b>EVENT RECORDING</b>	Pre and post duration setting
<b>OPERATOR REPORTING</b>	Per user, configurator, session and viewer
<b>EVENT REPORT</b>	Per camera or recorder events
<b>OPERATORS</b>	1024

OPERATIONAL	
MAXPRO NVR XE HARDWARE	
<b>PROCESSOR</b>	12th Generation Intel® Core™ i5-12400 Processor, up to 4.40 GHz
<b>MEMORY</b>	16 GB DDR4-3200MHz (UDIMM)
<b>POWER SUPPLY</b>	Single 310 W
<b>OS PARTITION</b>	256 GB SSD M.2 2280 PCIe TLC Opal
<b>STORAGE CAPACITIES</b>	4 TB, 8 TB, 12 TB, 16 TB, 20 TB
<b>OPTICAL</b>	None
<b>NETWORK</b>	Two 1 GB Ethernet included
<b>MOUSE AND KEYBOARD</b>	USB
REAR PANEL CONNECTIONS	
<b>USB</b>	Front: 4x USB 3.2, 1x USB-C; Rear: 4x USB 2.0
<b>NETWORK</b>	2x RJ45
<b>MONITOR OUTPUT</b>	HDMI 2.1 TMDS, 2x DisplayPort 1.4
ELECTRICAL	
<b>INPUT VOLTAGE</b>	100-240V, 50-60Hz
<b>POWER DISSIPATION</b>	Average BTU rating = 318 BTU/HR
MECHANICAL	
<b>DIMENSIONS (W X H X D)</b>	13.4" x 3.7" x 11.7" (340 mm x 93mm x 298 mm)
<b>WEIGHT</b>	11.7 lbs (5.3 kg)
ENVIRONMENTAL	
<b>TEMPERATURE</b>	Operating: 41°F to 95°F (5°C to 35°C) Storage: -10°C to 65°C (14°F to 150°F)
<b>RELATIVE HUMIDITY</b>	20% to 80% (non-condensing)
REGULATORY	
<b>EMISSIONS</b>	FCC Part 15, Subpart B; EN55022:2010
<b>IMMUNITY</b>	EN50130-4:2011
<b>SAFETY</b>	ANSI/UL 60950-1; CAN/CSA C22.2 60950-1; EN60950-1:2006+A11:2009+A12:2011 +A1:2010
<b>SUSTAINABILITY</b>	ENERGY STAR® 8.0, ErP Lot 3, TCO Certified 9.0, RoHS compliant
OTHER	
<b>COUNTRY OF ORIGIN</b>	Mexico
<b>WARRANTY</b>	3-year warranty, next business day on-site support (North America)
RECORDING AND MONITORING PERFORMANCE	
480 fps @ 4CIF/VGA or 480 fps @ 720p HD or 480 fps @ 1080p (4 Mbps bitrate) HD. 1-way audio for up to 8 or 16 IP channels. Network bandwidth/throughput supported per NVR with Incoming: 80 Mbps, Outgoing: 240 Mbps providing a Total: 320 Mbps. Rendering performance using GPU of up to 4 1080p HD @ 30 fps/120 fps on local client. Note: OnCam Grandeye 360 Cameras are not supported with GPU rendering and use CPU rendering by default.	

<b>MAX VIDEO STREAMS SUPPORT</b>	Desktop Client: Live - 256 streams, Playback/Video retrieval sessions - 32, Sync playback - 9 streams. 256 live streams limit excludes 1 stream used per camera if SMART VMD is enabled. Maximum live streams per camera is 15 with SMART VMD enabled. Mobile App: 16 streams of 1080p HD @ 5 fps each. Note: During archival operations, maximum no of playback streams recommended from Desktop Client and Web Client is 16 streams.
<b>SERVER BASED VMD (SMART VMD) PERFORMANCE - CHANNELS SUPPORTED</b>	All 8 or 16 channels supported at 480 fps @ 4CIF/VGA or 480 fps @ 720p HD or 480 fps @ 1080p HD or total 32 Megapixel.
<b>ARCHIVAL PERFORMANCE</b>	16 channels @ 4 Mbps bitrate each/64 Mbps total archival throughput capacity. Outgoing archival storage throughput of 200 Mbps.
<b>MULTI-STREAM PERFORMANCE</b>	Support for maximum 128 streams. Support for configuring 1 preferred stream for continuous recording and 1 preferred stream for live video/motion based recording per camera.

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# MAXPRO<sup>®</sup> NVR XE (Xpress Edition)

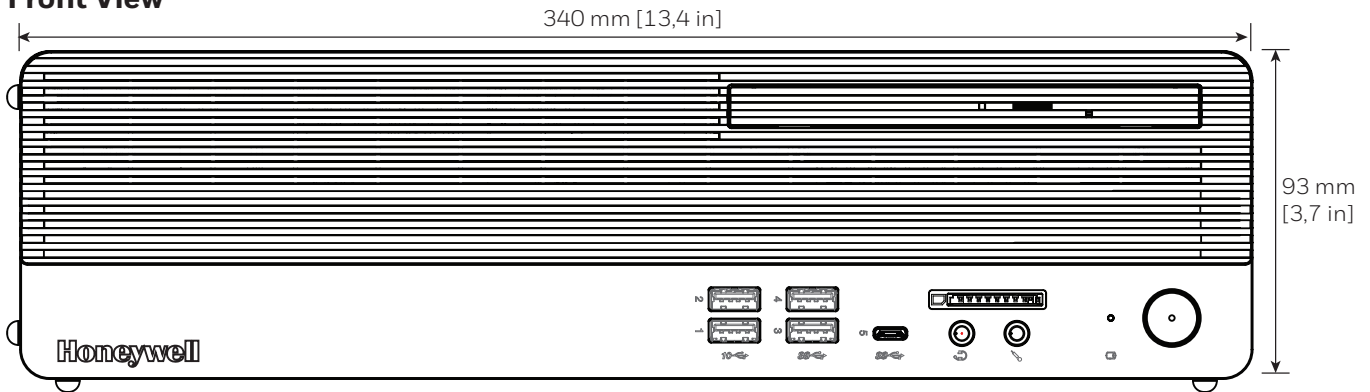
8/16-Channel Entry Level Network Video Recorder (NVR)

## HARDWARE FEATURES

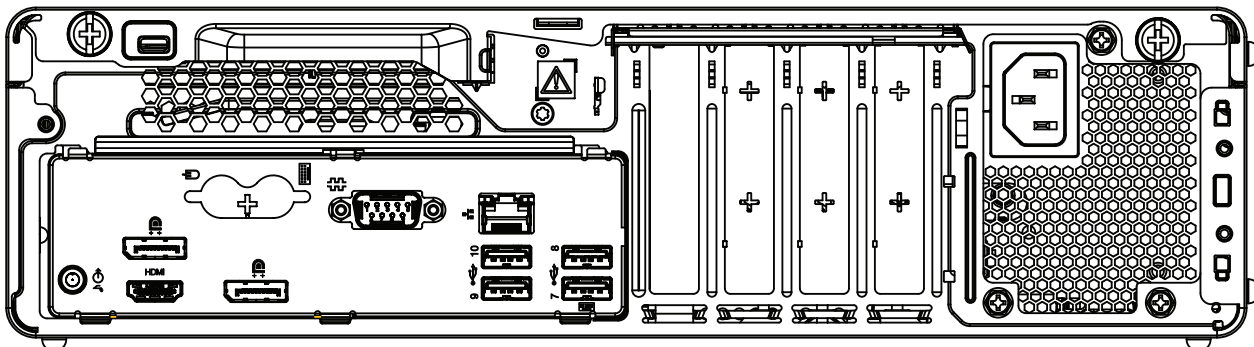
- Each unit records and monitors up to 8 or 16 cameras at 480 fps @ 4CIF/VGA or 480 fps @ 720p HD or 480 fps @ 1080p (4 Mbps bitrate) HD. Network bandwidth/throughput supported per NVR with Incoming: 80 Mbps, Outgoing: 240 Mbps; Total: 320 Mbps
- Archival support of 16 channels @ 4 Mbps bitrate each/64 Mbps total archival throughput capacity per MAXPRO NVR XE, with outgoing archival storage throughput of 200 Mbps
- Multi-stream support with maximum 128 streams per MAXPRO NVR XE. Support for configuring 1 preferred stream for continuous recording and 1 preferred stream for live video/motion based recording per camera
- Supports One-Way Audio (for specific IP cameras) with live, playback and clip export on desktop clients for up to 8 or 16 IP channels
- Includes HDMI and two display ports for dual local monitor support providing access to monitoring and configuration interface
- Supports displaying 16 cameras at one time on the NVR local monitor and rendering performance using GPU of up to 4 1080p HD cameras @ 30 fps/120 fps on local client.
- Storage capacity of 2 TB /4 TB/8 TB/12 TB/16 TB/20 TB
- Includes dual 1 GB Network ports optimized to separate record and viewing data to ensure 100% recording and smooth playback even with multiple client connections.
- Small desktop type footprint suitable for small spaces

## SPECIFICATIONS

### Front View



### Rear View



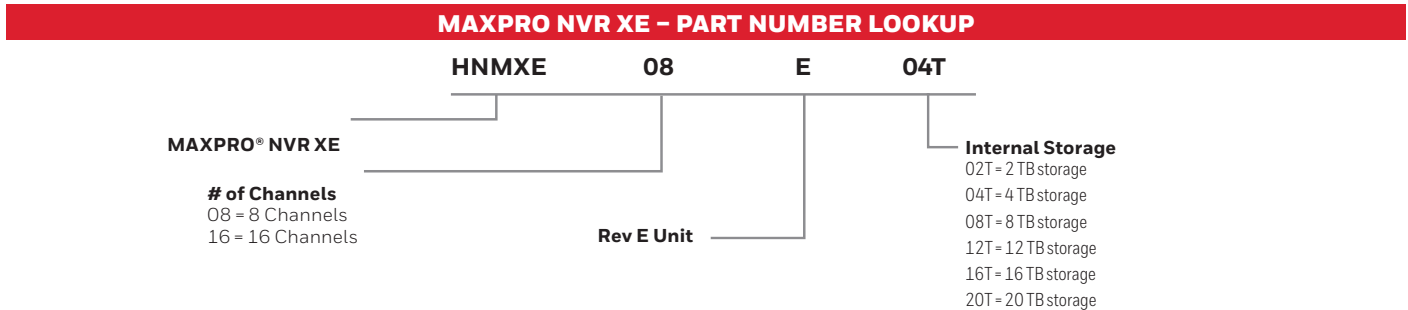
# MAXPRO® NVR XE (Xpress Edition)

8/16-Channel Entry Level Network Video Recorder (NVR)

ORDERING			
MAXPRO NVR XE		UPGRADE KITS FOR MAXPRO SE REV D/ XE REV E	
HNMXE08E04T	MAXPRO NVR XE, Rev E, 8 Channel, 4 TB	HNMSXDHD4T	4 TB HDD Upgrade Kit
HNMXE08E08T	MAXPRO NVR XE, Rev E, 8 Channel, 8 TB	HNMSXDHD6T	6 TB HDD Upgrade Kit
HNMXE08E12T	MAXPRO NVR XE, Rev E, 8 Channel, 12 TB	HNMSXDHD8T	8 TB HDD Upgrade Kit
HNMXE08E16T	MAXPRO NVR XE, Rev E, 8 Channel, 16 TB	HNMSXDHD10T	10 TB HDD Upgrade Kit
HNMXE08E20T	MAXPRO NVR XE, Rev E, 8 Channel, 20 TB	<b>MAXPRO NVR XE - CHANNEL UPGRADE LICENSE*</b>	
HNMXE16E04T	MAXPRO NVR XE, Rev E, 16 Channel, 4 TB	HNM01UP	MAXPPRO NVR-1 Channel License Upgrade. Applicable for MAXPRO NVR XE, Rev E, 8 Channel (HNMXE08E*** units only to add support up to 16 Channels.
HNMXE16E08T	MAXPRO NVR XE, Rev E, 16 Channel, 8 TB	<b>3RD PARTY I/O MODULE INTEGRATION</b>	
HNMXE16E12T	MAXPRO NVR XE, Rev E, 16 Channel, 12 TB	HNMNVR3PIO	Network I/O Module
HNMXE16E16T	MAXPRO NVR XE, Rev E, 16 Channel, 16 TB		
HNMXE16E20T	MAXPRO NVR XE, Rev E, 16 Channel, 20 TB		

\* Refer to the storage calculator on [buildings.honeywell.com](http://buildings.honeywell.com) to help determine what size unit to order.

SOFTWARE MAINTENANCE & UPGRADES AGREEMENTS FOR MAXPRO NVR	
SSAMPNVRCH	Annual Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel
SSA24MPNVRCH	Annual 24/7 Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel
SSAEUMPNVRCH	Annual End User 24/7 Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel



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[buildings.honeywell.com/security](http://buildings.honeywell.com/security)

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