

**MAXPRO® NVR PE**

32/48/64/128-Channel Enterprise NVR



OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 4.5 OR ABOVE	
<b>DATABASE</b>	Microsoft® SQL Server® 2012 Express
<b>OPERATING SYSTEM</b>	Windows 10 IoT Enterprise for Embedded Systems
<b>IMAGE COMPRESSIONS SUPPORTED</b>	MJPEG, MPEG-4, H.264, H.265
<b>SUPPORTED HONEYWELL IP CAMERAS AND ENCODERS</b>	Supports Performance Series IP, eQIP® Series cameras. Refer to <a href="http://www.security.honeywell.com/hota/compatibility/index.html">www.security.honeywell.com/hota/compatibility/index.html</a>
<b>SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS</b>	Refer to the MAXPRO NVR Compatibility for a comprehensive list of compatible products to which this device is integrated. <a href="http://www.security.honeywell.com/hota/compatibility/index.html">www.security.honeywell.com/hota/compatibility/index.html</a>
<b>AUDIO SUPPORT</b>	1-way audio for specific IP camera models. Refer to <a href="http://www.security.honeywell.com/hota/compatibility/index.html">www.security.honeywell.com/hota/compatibility/index.html</a>
<b>MAXIMUM NUMBER OF DESKTOP CLIENT CONNECTIONS</b>	Desktop Client - 38 per unit from 19 remote workstations + 1 local on NVR
<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>	Constant and event based with H/M/D and holiday and exception days
<b>RECORDING METHODS PER CAMERA</b>	Constant, event based and user activated
<b>LIVE SETTINGS PER CAMERA</b>	Compression format, resolution and frame rate
<b>RECORD SETTINGS PER CAMERA</b>	Same as live or reduced frame rate
<b>CLIP FORMAT</b>	Honeywell MPVC 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 PE HARDWARE	
<b>PROCESSOR</b>	Intel® Xeon® Silver 4110, 2.1 GHz
<b>MEMORY</b>	16GB (32/48/64-channel), 32GB (128-channel)
<b>POWER SUPPLY</b>	1+1 750W hot plug redundant 80+ Platinum
<b>OS DRIVE</b>	2x 240 GB M.2 SSD, RAID 1
<b>STORAGE CAPACITIES</b>	16 TB to 144 TB raw storage
<b>STORAGE HARD DRIVE OPTIONS</b>	12 field upgrade 4 TB or 8 TB or 10 TB or 12 TB SATA/SAS hard drive options
<b>NETWORK</b>	4 x 1GbE with optional 10GbE SFP+
<b>CHASSIS WITH LOCKING BEZEL</b>	2U, 12 bay including rack mount kit
<b>RAID CARD</b>	Data RAID Level: 0, 1, 5, 6, 10
REAR/FRONT PANEL CONNECTIONS	
<b>MOUSE AND KEYBOARD</b>	2 x USB
<b>USB</b>	Front: 2 x USB 2.0, Rear: 2 x USB 3.0
<b>NETWORK</b>	4 x RJ45
<b>MONITOR OUTPUT</b>	Front: 1 x VGA, Rear: 1 x VGA
ELECTRICAL	
<b>INPUT VOLTAGE</b>	110/220 VAC 50/60 Hz
<b>OPERATING VOLTAGE</b>	110V/220V Auto Sensing
<b>POWER DISSIPATION</b>	Average BTU rating = 880 BTU/HR Peak BTU rating = 2800 BTU/HR
MECHANICAL	
<b>CONSTRUCTION</b>	Chassis: Grey matte paint
<b>DIMENSIONS (W X H X D)</b>	17.08 x 3.4 x 27.86 in / 434 x 86 x 708 mm
<b>WEIGHT</b>	71.5 lbs / 32.5 kg fully populated
ENVIRONMENTAL	
<b>TEMPERATURE OPERATING</b>	10°C to 35°C (50°F to 95°F)
<b>RELATIVE HUMIDITY</b>	5-90% non-condensing
WARRANTY	
<b>WARRANTY AND ADVANCED REPLACEMENTS</b>	Refer to <a href="http://www.honeywellvideo.com/support/warranty/index.html">http://www.honeywellvideo.com/support/warranty/index.html</a>

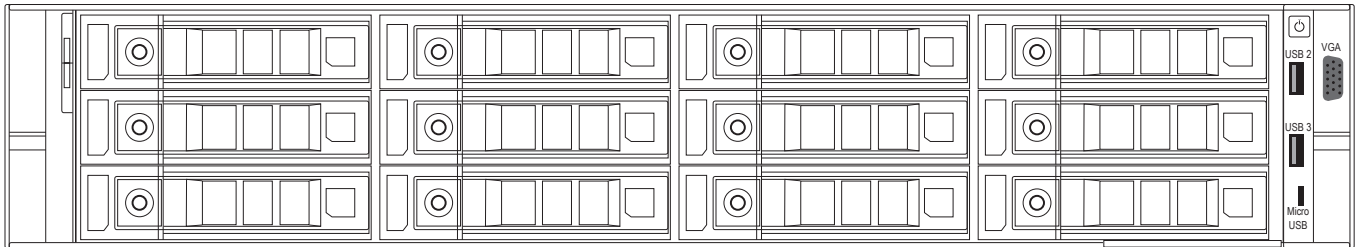
<b>RECORDING AND MONITORING PERFORMANCE</b>	3840 fps @ 1080p (4.0 Mbps bitrate) HD. 1-way audio for up to 128 IP channels. Network bandwidth/throughput: 800 Mbps. Rendering performance using CPU of up to 4 1080p HD @ 30 fps/120 fps on local client.
<b>MAX VIDEO STREAMS SUPPORT</b>	Web Client: Live - 64 streams, Playback - 32 streams. Note: Live streams consumed are per camera being viewed live and duplicate live views of the same camera in multiple or same web client instance are allowed without consuming additional streams. Playback streams consumed are per playback stream being viewed and each playback stream being viewed consumes 1 additional stream. Desktop Client: Live - 512 streams, Playback/Video retrieval sessions - 64, Sync playback - 9 streams. 512 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>	Channels at max fps: 64 ch at 1920 fps @ 4CIF/VGA or 64 ch at 1920 fps @ 720p or 64 ch at 1920 fps @ 1080p or total 128 Megapixel. All Channels at fps: 64 ch at 1920 fps @ 4CIF/VGA or 1920 fps @ 720p or 1920 fps @ 1080p or total 128 Megapixel. Smart VMD is not recommended when more than 64 cameras are connected to the NVR.
<b>ARCHIVAL PERFORMANCE</b>	25 channels @ 4 Mbps bitrate each / 100 Mbps total archival throughput capacity. Outgoing archival storage throughput of 275 Mbps.
<b>MULTI-STREAM PERFORMANCE</b>	Support for maximum 256 streams. Support for configuring 1 preferred stream for continuous recording and 1 preferred stream for live video / motion based recording per camera.

# MAXPRO® NVR PE (Professional Edition)

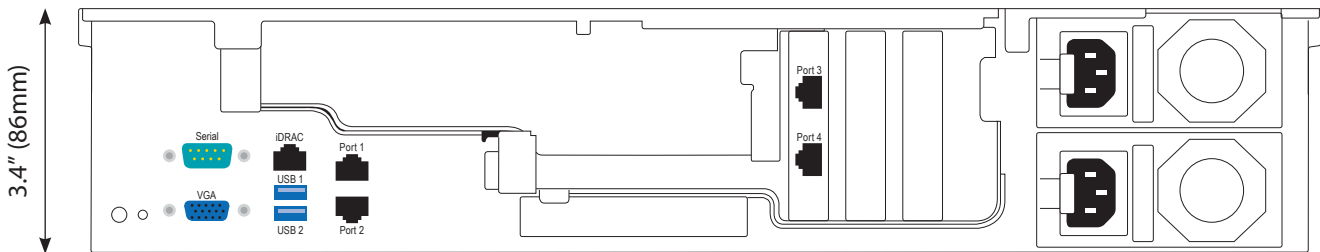
32/48/64/128-Channel Enterprise Network Video Recorder (NVR)

## SPECIFICATIONS

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19" (485mm)



3.4" (86mm)

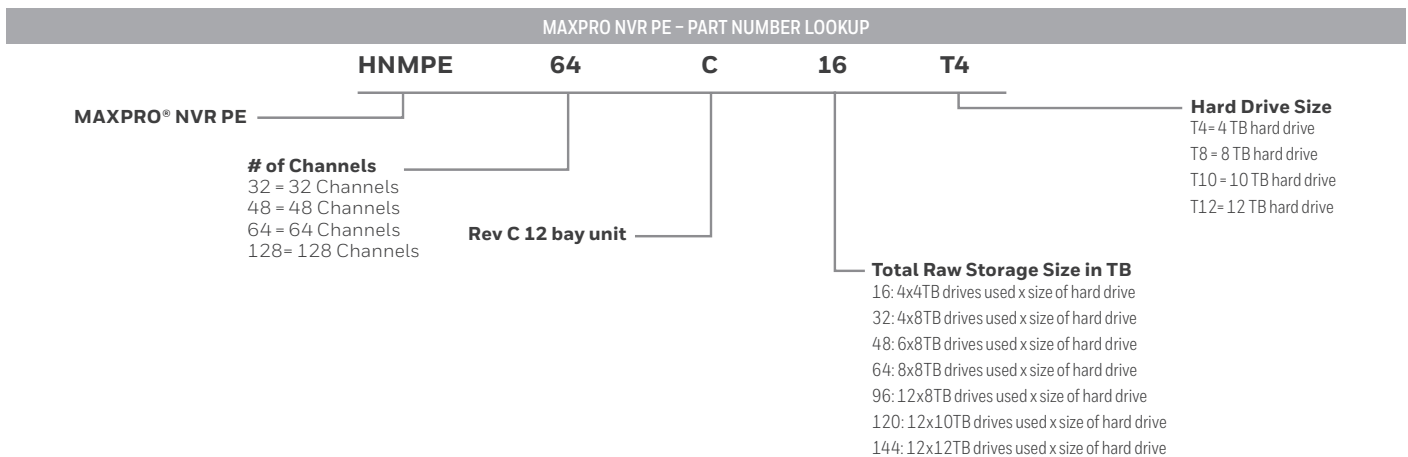
17" (434mm)

# MAXPRO® NVR PE (Professional Edition)

32/48/64/128-Channel Enterprise Network Video Recorder (NVR)

## ORDERING

MAXPRO NVR PE			UPGRADE KITS	
HNMPE32C16T4	32CH, 4x4 TB SATA HARD DRIVE, 12D	7.275 TB RAID 6, 10.914 TB RAID 5	HNMPECHD4T	4TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPE48C16T4	48CH, 4x4 TB SATA HARD DRIVE, 12D		HNMPECHD8T	8TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPE64C16T4	64CH, 4x4 TB SATA HARD DRIVE, 12D		HNMPECHD10T	10TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPE128C16T4	128CH, 4x4 TB SATA HARD DRIVE, 12D		HNMPECHD12T	12TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPE32C32T8	32CH, 4x8 TB SATA HARD DRIVE, 12D	14.551 TB RAID 6, 21.827 TB RAID 5	<b>MAXPRO NVR PE – CHANNEL UPGRADE LICENSES</b>	
HNMPE48C32T8	48CH, 4x8 TB SATA HARD DRIVE, 12D		HNM01UP	MAXPRO NVR 1 Channel License Upgrade to add support for up to 64 Channels per NVR
HNMPE64C32T8	64CH, 4x8 TB SATA HARD DRIVE, 12D		HNM04UP	MAXPRO NVR 4 Channel License Upgrade to add support for up to 64 Channels per NVR
HNMPE128C32T8	128CH, 4x8 TB SATA HARD DRIVE, 12D		HNM08UP	MAXPRO NVR 8 Channel License Upgrade to add support for up to 64 Channels per NVR
HNMPE32C48T8	32CH, 6x8 TB SATA HARD DRIVE, 12D	29.103 TB RAID 6, 36.378 TB RAID 5	HNM16UP	MAXPRO NVR 16 Channel License Upgrade to add support for up to 64 Channels per NVR
HNMPE48C48T8	48CH, 6x8 TB SATA HARD DRIVE, 12D		HNM32UP	MAXPRO NVR 32 Channel License Upgrade to add support for up to 64 Channels per NVR
HNMPE64C48T8	64CH, 6x8 TB SATA HARD DRIVE, 12D		HNM64UP	MAXPRO NVR 64 Channel License Upgrade to add support for up to 128 Channels per NVR
HNMPE128C48T8	128CH, 6x8 TB SATA HARD DRIVE, 12D			
HNMPE32C64T8	32CH, 8x8 TB SATA HARD DRIVE, 12D	43.654 TB RAID 6, 50.930 TB RAID 5		
HNMPE48C64T8	48CH, 8x8 TB SATA HARD DRIVE, 12D			
HNMPE64C64T8	64CH, 8x8 TB SATA HARD DRIVE, 12D			
HNMPE128C64T8	128CH, 8x8 TB SATA HARD DRIVE, 12D			
HNMPE32C96T8	32CH, 12x8 TB SATA HARD DRIVE, 12D	72.757 TB RAID 6, 80.033 TB RAID 5		
HNMPE48C96T8	48CH, 12x8 TB SATA HARD DRIVE, 12D			
HNMPE64C96T8	64CH, 12x8 TB SATA HARD DRIVE, 12D			
HNMPE128C96T8	128CH, 12x8 TB SATA HARD DRIVE, 12D			
HNMPE32C120T10	32CH, 12x10 TB SATA HARD DRIVE, 12D	90.947 TB RAID 6, 100.042 TB RAID 5		
HNMPE48C120T10	48CH, 12x10 TB SATA HARD DRIVE, 12D			
HNMPE64C120T10	64CH, 12x10 TB SATA HARD DRIVE, 12D			
HNMPE128C120T10	128CH, 12x10 TB SATA HARD DRIVE, 12D			
HNMPE32C144T12	32CH, 12x12 TB SATA HARD DRIVE, 12D	109.136 TB RAID 6, 120.050 TB RAID 5		
HNMPE48C144T12	48CH, 12x12 TB SATA HARD DRIVE, 12D			
HNMPE64C144T12	64CH, 12x12 TB SATA HARD DRIVE, 12D			
HNMPE128C144T12	128CH, 12x12 TB SATA HARD DRIVE, 12D			



**For more information**  
[www.honeywell.com/security](http://www.honeywell.com/security)

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