MAXPRO® NVR PE

32/48/64/128–Channel Enterprise NVR

✔ *Now with 5-year warranty*

OPERATIONAL

MAXPRO NVR SOFTWARE - VERSION 5.6 OR ABOVE

DATABASE	Microsoft® SQL Server® 2012 Express
OPERATING SYSTEM	Windows 10 IoT Enterprise for Embedded Systems
IMAGE COMPRESSIONS SUPPORTED	MJPEG, MPEG-4, H.264, H.265
SUPPORTED HONEYWELL IP CAMERAS AND ENCODERS	Supports Honeywell's Performance IP, equIP® Series, 30/60 Series IP cameras. Refer to: https://hwll.co/hota/
SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS	Refer to the MAXPRO® NVR Compatibility on https://hwll.co/hota/ for a comprehensive list of compatible products to which this device is integrated.
AUDIO SUPPORT	1-way audio for specific IP camera models. Refer to: https://hwll.co/hota/
MAXIMUM NUMBER OF DESKTOP CLIENT CONNECTIONS	Desktop Client - 38 per unit from 19 remote workstations + 1 local on NVR
SALVO LAYOUTS	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.
PICTURE CONTROLS PER CAMERA	Sharpness, blur, brightness, contrast, hue, saturation, maintain aspect ratio, stretched, original size and picture mirror
OSD	Concealed text option
PLAYBACK CONTROLS PER CAMERA – DESKTOP CLIENT	FWD/REV Play x (1, 2, 4, 8, 16) Slow FWD/REV Play x (1/2, 1/4, 1/8)
SEARCH TYPES	Time/date timeline, time jump FWD/REV, bookmarks, calendar, preview, film strip, event search and SMART Motion Search
RECORDING SCHEDULE	Continuous and event based with H/M/D and holiday and exception days
RECORDING METHODS PER CAMERA	Continuous, event based and user activated
LIVE SETTINGS PER CAMERA	Compression format, resolution and frame rate
RECORD SETTINGS PER CAMERA	Same as live or reduced frame rate
CLIP FORMAT	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.
VIDEO CLIP AUTHENTICATION	Digital signature, verification tool provided
MOTION DETECTION LOCATION	Camera based for supported models or Server based (SMART VMD) for all models (except 360 fisheye /panomorph views)
EVENT RECORDING	Pre and post duration setting
OPERATOR REPORTING	Per user, configurator, session and viewer
EVENT REPORT	Per camera or recorder events
OPERATORS	1024

OPERATIONAL

MAXPRO NVR PE HARDWARE

PROCESSOR	Intel® Xeon® Silver 4110, 2.1 GHz
MEMORY	16GB (32/48/64-channel), 32GB (128-channel)
POWER SUPPLY	1+1 750W hot plug redundant 80+ Platinum
OS DRIVE	2x 240 GB M.2 SSD, RAID 1
STORAGE CAPACITIES	16 TB to 144 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 field upgrade 4 TB or 8 TB or 12 TB SATA hard drive options
NETWORK	4 x 1GbE with optional 10GbE SFP+
CHASSIS WITH LOCKING BEZEL	2U, 12 bay including rack mount kit
RAID CARD	Data RAID Level: 0, 1, 5, 6, 10

REAR/FRONT PANEL CONNECTIONS

MOUSE AND KEYBOARD	2 x USB
USB	Front: 2 x USB 2.0, Rear: 2 x USB 3.0
NETWORK	4 x RJ45
MONITOR OUTPUT	Front: 1 x VGA, Rear: 1 x VGA

ELECTRICAL

INPUT VOLTAGE	110/220 VAC 50/60 Hz
OPERATING VOLTAGE	110V/220V Auto Sensing
POWER DISSIPATION	Average BTU rating = 880 BTU/HR Peak BTU rating = 2800 BTU/HR

MECHANICAL

CONSTRUCTION	Chassis: Grey matte paint
DIMENSIONS (W X H X D)	17.08 x 3.4 x 27.86 in / 434 x 86 x 708 mm
WEIGHT	71.5 lbs / 32.5 kg fully populated

ENVIRONMENTAL

TEMPERATURE OPERATING	10ºC to 35ºC (50ºF to 95ºF)
RELATIVE HUMIDITY	5-90% non-condensing

WARRANTY

WARRANTY AND ADVANCED REPLACEMENTS	Refer to https://www.security.honeywell.com/resources/warranties

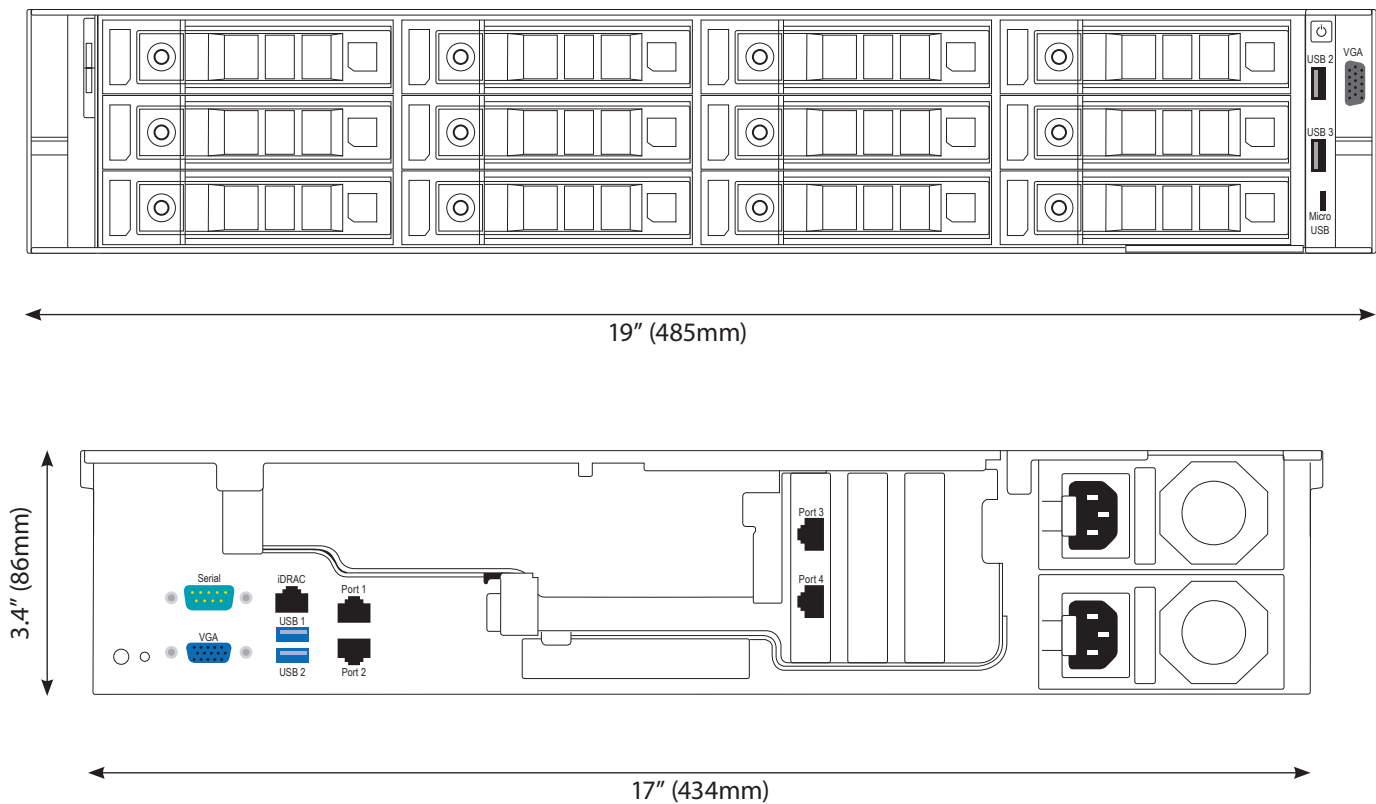**RECORDING AND MONITORING PERFORMANCE**

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.

MAX VIDEO STREAMS SUPPORT	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.
SERVER BASED VMD (SMART VMD) PERFORMANCE - CHANNELS SUPPORTED	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.
ARCHIVAL PERFORMANCE	64 channels @ 2.5 Mbps / 160 Mbps total archival bandwidth while recording 128 channels @ 2.5 Mbps / 320 Mbps with total bandwidth/throughput 700 Mbps
MULTI-STREAM PERFORMANCE	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.

Honeywell

MAXPRO® NVR PE (Professional Edition)

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

SPECIFICATIONS

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		
HNMPE32C16T4	32CH, 4x4 TB SATA HARD DRIVE, 12D	
HNMPE48C16T4	48CH, 4x4 TB SATA HARD DRIVE, 12D	7.275 TB RAID 6,
HNMPE64C16T4	64CH, 4x4 TB SATA HARD DRIVE, 12D	10.914 TB RAID 5
HNMPE128C16T4	128CH, 4x4 TB SATA HARD DRIVE, 12D	
HNMPE32C32T8	32CH, 4x8 TB SATA HARD DRIVE, 12D	
HNMPE48C32T8	48CH, 4x8 TB SATA HARD DRIVE, 12D	14.551 TB RAID 6,
HNMPE64C32T8	64CH, 4x8 TB SATA HARD DRIVE, 12D	21.827 TB RAID 5
HNMPE128C32T8	128CH, 4x8 TB SATA HARD DRIVE, 12D	
HNMPE32C48T8	32CH, 6x8 TB SATA HARD DRIVE, 12D	
HNMPE48C48T8	48CH, 6x8 TB SATA HARD DRIVE, 12D	29.103 TB RAID 6,
HNMPE64C48T8	64CH, 6x8 TB SATA HARD DRIVE, 12D	36.378 TB RAID 5
HNMPE128C48T8	128CH, 6x8 TB SATA HARD DRIVE, 12D	
HNMPE32C64T8	32CH, 8x8 TB SATA HARD DRIVE, 12D	
HNMPE48C64T8	48CH, 8x8 TB SATA HARD DRIVE, 12D	43.654 TB RAID 6,
HNMPE64C64T8	64CH, 8x8 TB SATA HARD DRIVE, 12D	50.930 TB RAID 5
HNMPE128C64T8	128CH, 8x8 TB SATA HARD DRIVE, 12D	
HNMPE32C96T8	32CH, 12x8 TB SATA HARD DRIVE, 12D	
HNMPE48C96T8	48CH, 12x8 TB SATA HARD DRIVE, 12D	72.757 TB RAID 6,
HNMPE64C96T8	64CH, 12x8 TB SATA HARD DRIVE, 12D	80.033 TB RAID 5
HNMPE128C96T8	128CH, 12x8 TB SATA HARD DRIVE, 12D	
HNMPE32C120T12	32CH, 10x12 TB SATA HARD DRIVE, 12D	
HNMPE48C120T12	48CH, 10x12 TB SATA HARD DRIVE, 12D	87.3 TB RAID 6,
HNMPE64C120T12	64CH, 10x12 TB SATA HARD DRIVE, 12D	98.2 TB RAID 5
HNMPE128C120T12	128CH, 10x12 TB SATA HARD DRIVE, 12D	
HNMPE32C144T12	32CH, 12x12 TB SATA HARD DRIVE, 12D	
HNMPE48C144T12	48CH, 12x12 TB SATA HARD DRIVE, 12D	109.1 TB RAID 6,
HNMPE64C144T12	64CH, 12x12 TB SATA HARD DRIVE, 12D	120.0 TB RAID 5
HNMPE128C144T12	128CH, 12x12 TB SATA HARD DRIVE, 12D	

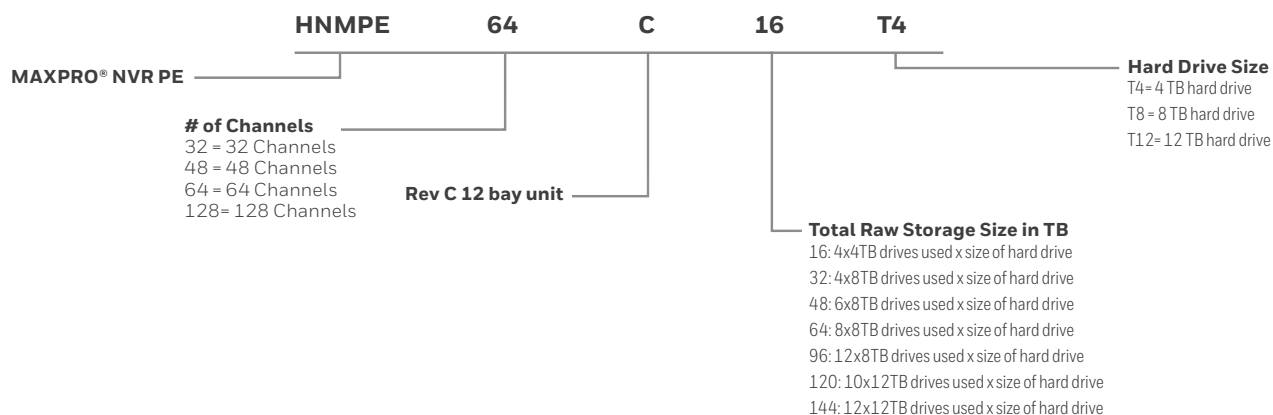| UPGRADE KITS FOR MAXPRO NVR PE REV C	
HNMPECHD4T	4TB SATA Upgrade Kit
HNMPECHD8T	8TB SATA Upgrade Kit
HNMPECHD12T	12TB SATA Upgrade Kit
HNMPECRAM32G	16GB to 32GB RAM Upgrade Kit
HNMPECNIC10G	DP 10Gb DA/SFP+ Adapter
HNMPECWS2K16	Windows 10 to Windows Server 2016 OS Factory Upgrade

MAXPRO NVR PE – CHANNEL UPGRADE LICENSES	
HNM01UP	MAXPRO NVR 1 Channel License Upgrade to add support for up to 128 Channels per NVR
HNM04UP	MAXPRO NVR 4 Channel License Upgrade to add support for up to 128 Channels per NVR
HNM08UP	MAXPRO NVR 8 Channel License Upgrade to add support for up to 128 Channels per NVR
HNM16UP	MAXPRO NVR 16 Channel License Upgrade to add support for up to 128 Channels per NVR
HNM32UP	MAXPRO NVR 32 Channel License Upgrade to add support for up to 128 Channels per NVR
HNM64UP	MAXPRO NVR 64 Channel License Upgrade to add support for up to 128 Channels per NVR

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

MAXPRO NVR PE – PART NUMBER LOOKUP

HNMPE   64   C   16   T4

MAXPRO® NVR PE

# of Channels
32 = 32 Channels
48 = 48 Channels
64 = 64 Channels
128= 128 Channels

Rev C 12 bay unit

Total Raw Storage Size in TB
16: 4x4TB drives used x size of hard drive
32: 4x8TB drives used x size of hard drive
48: 6x8TB drives used x size of hard drive
64: 8x8TB drives used x size of hard drive
96: 12x8TB drives used x size of hard drive
120: 10x12TB drives used x size of hard drive
144: 12x12TB drives used x size of hard drive

Hard Drive Size
T4= 4 TB hard drive
T8 = 8 TB hard drive
T12= 12 TB hard drive

For more information

www.security.honeywell.com

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