MAXPRO®
NVR PE

32/64/128–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

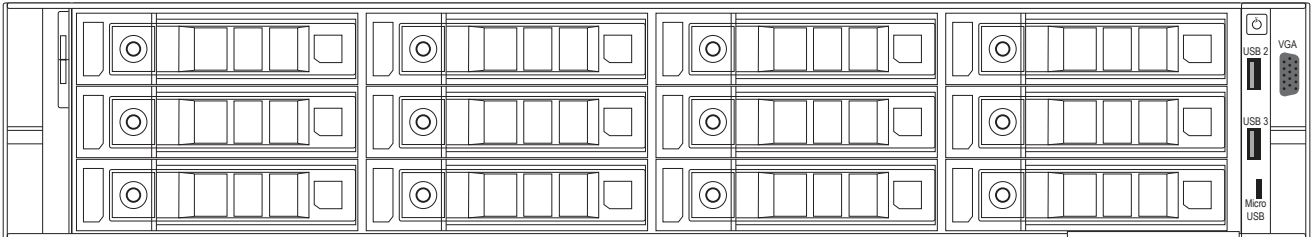| OPERATIONAL	
MAXPRO NVR PE HARDWARE	
PROCESSOR	Intel® Xeon® Silver 4110, 2.1 GHz
MEMORY	16GB (32/64-channel), 32GB (128-channel)
POWER SUPPLY	1+1 750W hot plug redundant 80+ Platinum
OS DRIVE	2x 240 GB M.2 SSD, RAID 1
STORAGE CAPACITIES	16 TB to 144 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 field upgrade 4 TB, 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	10°C to 35°C (50°F to 95°F)
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.

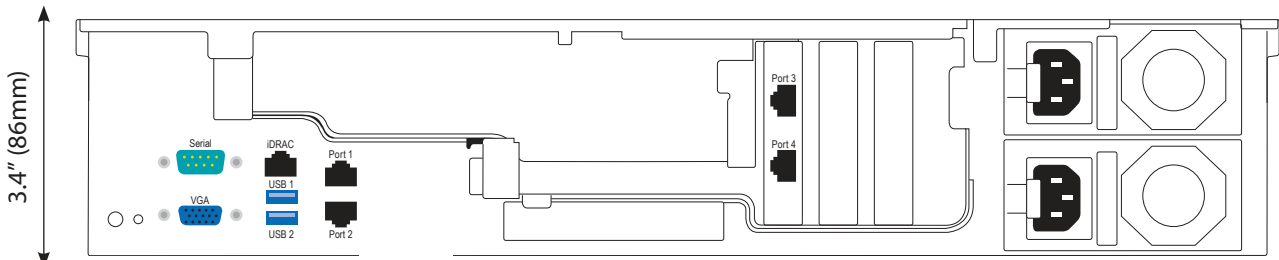|	
MAX VIDEO STREAMS SUPPORT	Web Client: Live - 64 streams, Playback - 32 streams. Note: Live streams consumed are per camera being viewed live and duplicate live views of the same camera in multiple or same web client instance are allowed without consuming additional streams. Playback streams consumed 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)

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

SPECIFICATIONS

19" (485mm)

3.4" (86mm)

17" (434mm)

MAXPRO® NVR PE (Professional Edition)

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

ORDERING		

MAXPRO NVR PE - 32 CHANNELS		
HNMPE32C0T0R*	0TB	RAID5/6
HNMPE32C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	
HNMPE32C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)	
HNMPE32C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)	
HNMPE32C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)	RAID5
HNMPE32C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)	
HNMPE32C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)	
HNMPE32C144T12R5	12x12TB SATA HARD DRIVE (120.050TB)	
HNMPE32C16T4R6	4x4TB SATA HARD DRIVE (7.275TB)	
HNMPE32C32T8R6	4x8TB SATA HARD DRIVE (14.551TB)	
HNMPE32C48T8R6	6x8TB SATA HARD DRIVE (29.103TB)	
HNMPE32C64T8R6	8x8TB SATA HARD DRIVE (43.654TB)	RAID6
HNMPE32C96T8R6	12x8TB SATA HARD DRIVE (72.757TB)	
HNMPE32C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)	
HNMPE32C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)	

MAXPRO NVR PE - 64 CHANNELS		
HNMPE64C0T0R*	0TB	RAID5/6
HNMPE64C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	
HNMPE64C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)	
HNMPE64C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)	
HNMPE64C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)	RAID5
HNMPE64C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)	
HNMPE64C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)	
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HNMPE64C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)	
HNMPE64C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)	

MAXPRO NVR PE - 128 CHANNELS		
HNMPE128C0T0R*	0TB	RAID5/6
HNMPE128C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	
HNMPE128C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)	
HNMPE128C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)	
HNMPE128C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)	RAID5
HNMPE128C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)	
HNMPE128C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)	
HNMPE128C144T12R5	12x12TB SATA HARD DRIVE (120.050TB)	
HNMPE128C16T4R6	4x4TB SATA HARD DRIVE (7.275TB)	
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HNMPE128C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)	
HNMPE128C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)	

UPGRADE KITS	
HNMPECHD4T	4TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPECHD8T	8TB SATA Upgrade Kit, MAXPRO NVR PE Rev C
HNMPECHD12T	12TB SATA Upgrade Kit, MAXPRO NVR PE Rev C

MAXPRO NVR PE – CHANNEL UPGRADE LICENSES	
HNM64128NLIC	64 to 128 Ch upgrade Software License
HNM3264NLIC	32 to 64 Ch upgrade Software License

SOFTWARE MAINTENANCE & UPGRADES AGREEMENTS FOR MAXPRO NVR	
SSAMPNVRCH	Annual Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel

*: Available in META region only

MAXPRO NVR PE – PART NUMBER LOOKUP

HNMPE	64	C	16	T4	R5

MAXPRO® NVR PE

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

Rev C 12 bay unit

Total Raw Storage Size in TB
0: 0TB (no HDD supplied)*
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
T0 = No HDD*
T4 = 4 TB hard drive
T8 = 8 TB hard drive
T12= 12 TB hard drive

RAID
R = RAID5/6*
R5 = RAID 5
R6 = RAID 6

For more information

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

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