

MAXPRO® NVR PE



32/64/128-Channel Enterprise NVR



5 YEAR
WARRANTY

OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 7.0	
DATABASE	Microsoft® SQL Server® 2019 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 / 70 Series IP cameras
SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS	Refer to the MAXPRO® NVR Compatibility on our website for a comprehensive list of compatible products to which this device is integrated.
AUDIO SUPPORT	2-way audio support for compatible cameras
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 can be a separate stream configuration
CLIP FORMAT	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.
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	100-240 VAC 50/60 Hz
OPERATING VOLTAGE	100-240V 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
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.	

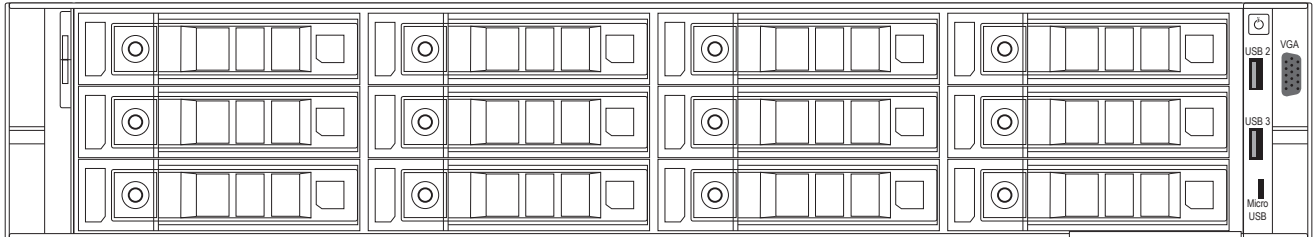
MAX VIDEO STREAMS SUPPORT	Desktop Client: Live - 512 streams, Playback/Video retrieval sessions - 64, Sync playback - 9 streams. 512 live streams limit excludes 1 stream used per camera if Smart VMD is enabled. Maximum live streams per camera is 15 with Smart VMD enabled. Mobile App: 16 streams of 1080p 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.

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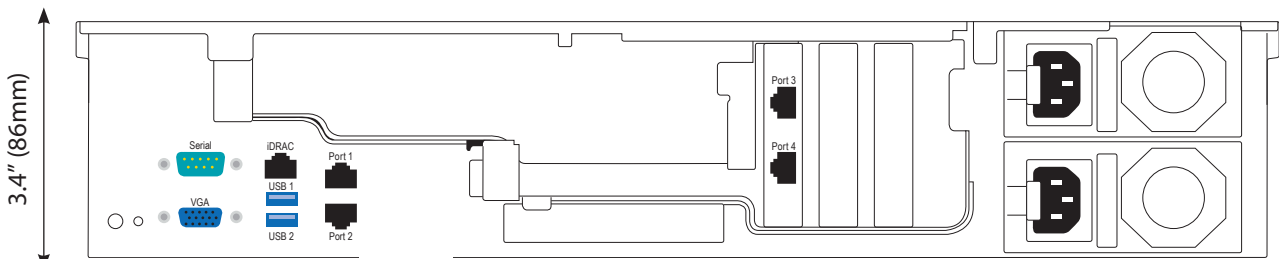
MAXPRO[®] NVR PE (Professional Edition)

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			MAXPRO NVR PE - 128 CHANNELS		
HNMPE32C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	RAID5	HNMPE128C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	RAID5
HNMPE32C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)		HNMPE128C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)	
HNMPE32C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)		HNMPE128C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)	
HNMPE32C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)		HNMPE128C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)	
HNMPE32C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)		HNMPE128C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)	
HNMPE32C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)		HNMPE128C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)	
HNMPE32C144T12R5	12x12TB SATA HARD DRIVE (120.050TB)	RAID6	HNMPE128C144T12R5	12x12TB SATA HARD DRIVE (120.050TB)	RAID6
HNMPE32C16T4R6	4x4TB SATA HARD DRIVE (7.275TB)		HNMPE128C16T4R6	4x4TB SATA HARD DRIVE (7.275TB)	
HNMPE32C32T8R6	4x8TB SATA HARD DRIVE (14.551TB)		HNMPE128C32T8R6	4x8TB SATA HARD DRIVE (14.551TB)	
HNMPE32C48T8R6	6x8TB SATA HARD DRIVE (29.103TB)		HNMPE128C48T8R6	6x8TB SATA HARD DRIVE (29.103TB)	
HNMPE32C64T8R6	8x8TB SATA HARD DRIVE (43.654TB)		HNMPE128C64T8R6	8x8TB SATA HARD DRIVE (43.654TB)	
HNMPE32C96T8R6	12x8TB SATA HARD DRIVE (72.757TB)		HNMPE128C96T8R6	12x8TB SATA HARD DRIVE (72.757TB)	
HNMPE32C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)	RAID6	HNMPE128C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)	RAID6
HNMPE32C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)		HNMPE128C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)	
MAXPRO NVR PE - 64 CHANNELS			UPGRADE KITS		
HNMPE64C16T4R5	4x4TB SATA HARD DRIVE (10.914TB)	RAID5	HNMPECHD4T	4TB SATA Upgrade Kit, MAXPRO NVR PE Rev C	
HNMPE64C32T8R5	4x8TB SATA HARD DRIVE (21.827TB)		HNMPECHD8T	8TB SATA Upgrade Kit, MAXPRO NVR PE Rev C	
HNMPE64C48T8R5	6x8TB SATA HARD DRIVE (36.378TB)		HNMPECHD12T	12TB SATA Upgrade Kit, MAXPRO NVR PE Rev C	
HNMPE64C64T8R5	8x8TB SATA HARD DRIVE (50.930TB)		MAXPRO NVR PE - CHANNEL UPGRADE LICENSES		
HNMPE64C96T8R5	12x8TB SATA HARD DRIVE (80.033TB)		HNM64128NLIC	64 to 128 Ch upgrade Software License	
HNMPE64C120T10R5	10x12TB SATA HARD DRIVE (100.042TB)		HNM3264NLIC	32 to 64 Ch upgrade Software License	
HNMPE64C144T12R5	12x12TB SATA HARD DRIVE (120.050TB)	RAID6	SOFTWARE MAINTENANCE & UPGRADES AGREEMENTS FOR MAXPRO NVR		
HNMPE64C16T4R6	4x4TB SATA HARD DRIVE (7.275TB)		SSAMPNVRCH	Annual Software Support Agreement - MAXPRO NVR System with VMS support included, Per Channel	
HNMPE64C32T8R6	4x8TB SATA HARD DRIVE (14.551TB)				
HNMPE64C48T8R6	6x8TB SATA HARD DRIVE (29.103TB)				
HNMPE64C64T8R6	8x8TB SATA HARD DRIVE (43.654TB)				
HNMPE64C96T8R6	12x8TB SATA HARD DRIVE (72.757TB)				
HNMPE64C120T10R6	10x12TB SATA HARD DRIVE (90.947TB)				
HNMPE64C144T12R6	12x12TB SATA HARD DRIVE (109.136TB)				

MAXPRO NVR PE - PART NUMBER LOOKUP

HNMPE	64	C	16	T4	R5
MAXPRO® NVR PE					
# of Channels		Rev C 12 bay unit	Hard Drive Size		RAID
32 = 32 Channels			T0 = No HDD*		R = RAID5/6*
64 = 64 Channels			T4 = 4 TB hard drive		R5 = RAID 5
128 = 128 Channels			T8 = 8 TB hard drive		R6 = RAID 6
			T12 = 12 TB hard drive		

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

For more information

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www.security.honeywell.com/me

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