MAXPRO®
NVR PE

32/48/64/128-Channel Enterprise NVR

OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 6.7 OR ABOVE	
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 Series IP cameras. Refer to our website.
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 for specific IP camera models.
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 4210R, 2.4 GHz
MEMORY	32GB
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 192 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 nos. of drives with 8 TB or 12 TB or 16 TB SATA hard drive options
NETWORK	4 x 1GbE
CHASSIS WITH LOCKING BEZEL	2U, 12 bay including rack mount kit
RAID CARD	Data RAID Level: 0, 1, 5, 6, 10, 50 , 60
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
REGULATORY	
SAFETY	CE EN 60950-1:2006 +A1:2010 +A2:2013 +A11:2009 +A12:2011, EN 62368-1:2014, EN IEC 62368-1:2020 +A11:2020, EN 62311: 2008, IEC 60950-1:2005 ed2 +A1:2009 +A2:2013, UL 60950-1, CAN/CSA C22.2 No. 60950-1-07
EMISSIONS	CE EN 55024:2010 +A1:2015, EN 55032:2012, EN 55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, FCC Part 15 Class A
RoHS	EN IEC 63000:2018

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.

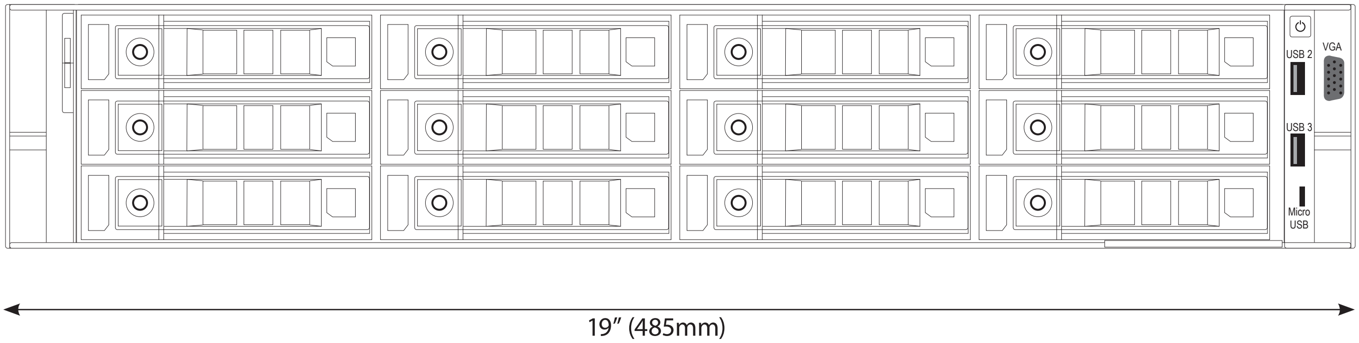
MAX VIDEO STREAMS SUPPORT	Web Client: Live - 64 streams, Playback - 32 streams. Note: Live streams consumed are per camera being viewed live and duplicate live views of the same camera in multiple or same web client instance are allowed without consuming additional streams. Playback streams consumed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

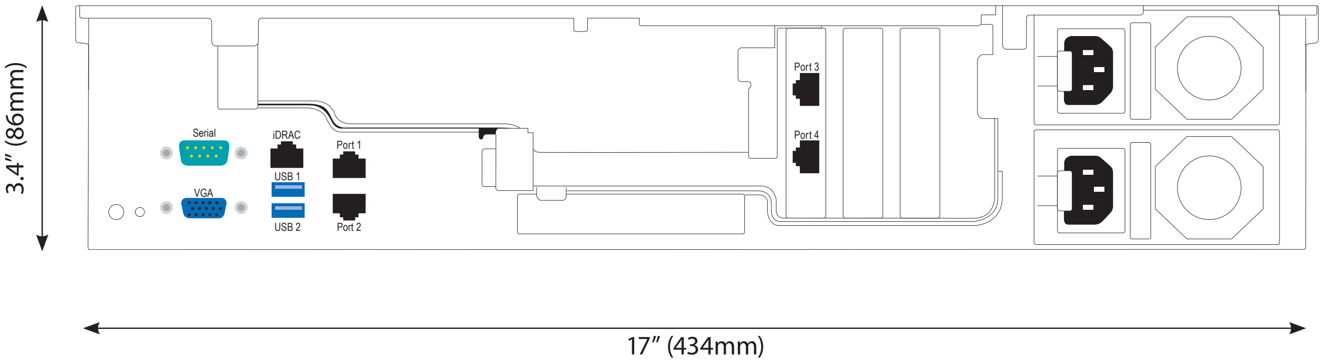
MAXPRO® NVR PE (Professional Edition)

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

SPECIFICATIONS



USB 2
VGA
USB 3
Micro USB
19″ (485mm)



3.4″ (86mm)
Serial
iDRAC
Port 1
USB 1
VGA
USB 2
Port 2
Port 3
Port 4
17″ (434mm)

MAXPRO® NVR PE (Professional Edition)

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

ORDERING

MAXPRO NVR PE	
HNMPE00IB00T0	Maxpro PE NVR, 0 Channel, No HDD
HNMPE00IB32T8	Maxpro PE NVR, 0 Channel, 4 x 8 TB, RAID 5
HNMPE00IB64T8	Maxpro PE NVR, 0 Channel, 8 x 8 TB, RAID 5
HNMPE00IB96T8	Maxpro PE NVR, 0 Channel, 12 x 8 TB, RAID 5
HNMPE00IB48T12	Maxpro PE NVR, 0 Channel, 4 x 12 TB, RAID 5
HNMPE00IB144T12	Maxpro PE NVR, 0 Channel, 12 x 12 TB, RAID 5
HNMPE00IB128T16	Maxpro PE NVR, 0 Channel, 8 x 16 TB, RAID 5
HNMPE00IB192T16	Maxpro PE NVR, 0 Channel, 12 x 16 TB, RAID 5

MAXPRO NVR – SOFTWARE LICENSES	
MPNVRSW4	MAXPRO NVR Software – Base Software and License for 4 Channels
MPNVRSW8	MAXPRO NVR Software – Base Software and License for 8 Channels
MPNVRSW16	MAXPRO NVR Software – Base Software and License for 16 Channels
MPNVRSW32	MAXPRO NVR Software – Base Software and License for 32 Channels
MPNVRSW48	MAXPRO NVR Software – Base Software and License for 48 Channels
MPNVRSW64	MAXPRO NVR Software – Base Software and License for 64 Channels
MPNVRSW128	MAXPRO NVR Software – Base Software and License for 128 Channels

MAXPRO NVR – CHANNEL UPGRADE LICENSES	
MPNVRSW1UP	MAXPRO NVR Software – 1 Channel License Upgrade to add support for up to 128 Channels per NVR
MPNVRSW4UP	MAXPRO NVR Software – 4 Channel License Upgrade to add support for up to 128 Channels per NVR
MPNVRSW8UP	MAXPRO NVR Software – 8 Channel License Upgrade to add support for up to 128 Channels per NVR
MPNVRSW16UP	MAXPRO NVR Software – 16 Channel License Upgrade to add support for up to 128 Channels per NVR
MPNVRSW32UP	MAXPRO NVR Software – 32 Channel License Upgrade to add support for up to 128 Channels per NVR
MPNVRSW64UP	MAXPRO NVR Software – 64 Channel License Upgrade to add support for up to 128 Channels per NVR

MAXPRO NVR PE – PART NUMBER LOOKUP

HNMPE 00 IB 00 T0

MAXPRO® NVR PE

# of Channels
00 = 00 Channels

Rev 12 bay unit

00: No hard drive
32: 4x8TB 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
48: 4x12TB drives used x size of hard drive
144: 12x12TB drives used x size of hard drive
128: 8x16TB drives used x size of hard drive
192: 12x16TB drives used x size of hard drive

Hard Drive Size
T0 = No hard drive
T8 = 8 TB hard drive
T12= 12 TB hard drive
T16= 16 TB hard drive

For more information

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THE FUTURE IS WHAT WE MAKE IT

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