MAXPRO® NVR PE

32/64/96/128/192–Channel Enterprise NVR

ONVIF® | SGT

OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 7.9	
DATABASE	Microsoft® SQL Server® 2019 Express
OPERATING SYSTEM	Windows 10 LTSC 2021 Windows Server 2022 (optional)
IMAGE COMPRESSIONS SUPPORTED	MJPEG, MPEG-4, H.264, H.265
SUPPORTED HONEYWELL IP CAMERAS AND ENCODERS	Supports Honeywell's 30 / 35 / 60 / 70 / HEI 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 device - 3x3, 2x2,2x4,1x2, 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 Minute/Hour/Day plus 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	Camera based for supported models or Server based (SMART VMD) for all models (except 360 fisheye /panomorph views)
EVENT RECORDING	Configurable pre and post duration setting for event recording
EVENT REPORTING	Reporting done per camera and recorder
OPERATORS	1024 operators across all recorders

OPERATIONAL	
MAXPRO NVR PE HARDWARE	
PROCESSOR	Intel Xeon Silver 4410Y
SYSTEM MEMORY (RAM)	32GB
POWER SUPPLY	1+1 1100W (230V/115V) Titanium Hot-Swap Power Supply
OS DRIVE	2 x 480GB M.2 in RAID1
STORAGE CAPACITIES	Upto 288 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 x 3.5" removable, hotswap 8TB, 12TB, 16TB, 20TB and 24TB SATA options
NETWORK	Quad 1 GbE LAN Ports
CHASSIS WITH LOCKING BEZEL	2U, 12 bay including rack mount kit
RAID CARD	RAID Level 0, 1, 5, 6,or 10
AUDIO	Line IN, Line Out and MIC In
HARDWARE CYBERSECURITY	TPM 2.0
REAR/FRONT PANEL CONNECTIONS	
USB	2x USB Front; 1 x USB Rear
NETWORK	4x RJ45
MONITOR OUTPUT	2x VGA
ELECTRICAL	
INPUT VOLTAGE	110/220 VAC 50/60 Hz
OPERATING VOLTAGE	120/240V Auto-sensing
POWER DISSIPATION	Peak BTU rating = 4100 BTU/HR
MECHANICAL	
CONSTRUCTION	Chassis: Grey matte paint
DIMENSIONS (W X H X D)	19 x 3.4 x 30.4 inches / 482 x 86.8 x 772.13 mm
WEIGHT	79.6 lbs / 36.1 kg (fully populated)
ENVIRONMENTAL	
OPERATING TEMPERATURE	10°C to 35°C (50°F to 95°F)
RELATIVE HUMIDITY	8 to 80% non-condensing
REGULATORY	
EMISSIONS	EN 55032:2015+A11:2020, EN 55035:2017+A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 301 489-1 V2.2.3, EN 301 489-19 V2.1.1, FCC Part15 Class A
SAFETY	EN IEC 62368-1:2020 +A11:2020, EN IEC 62311:2020, EN 62479:2010, UL 62368-1, CSA C22.2 NO. 62368-1
RoHS	EN IEC 63000:2018
COUNTRY OF ORIGIN	India
RECORDING AND REMOTE MONITORING PERFORMANCE	

3840 fps @ 1080p (8.0 Mbps bitrate) HD. 1-way audio for up to 128 IP channels / 5760 fps @ 1080p (5.3 Mbps bitrate) HD. 1-way audio for up to 192 IP channels
Network bandwidth/throughput : 1500 Mbps.
Rendering performance using CPU of up to 4 1080p HD @ 30 fps/120 fps on local client.

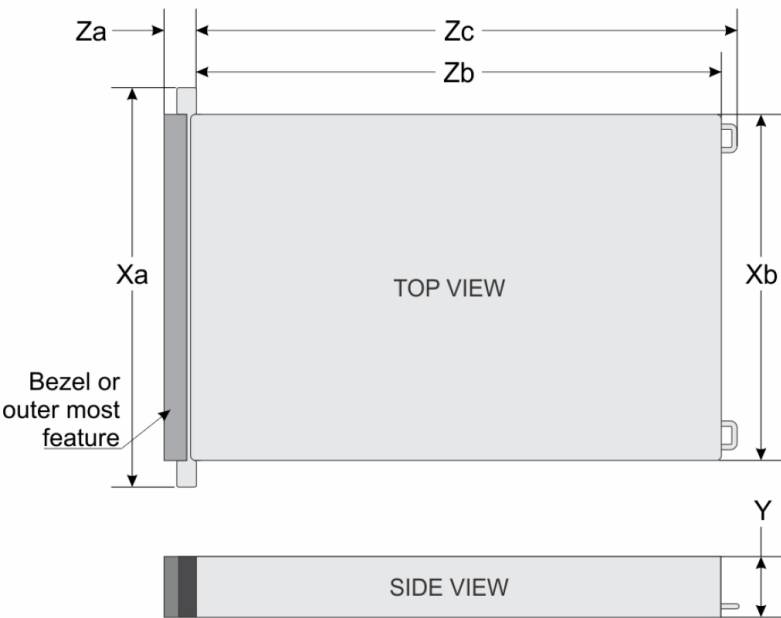|	
MAX VIDEO STREAMS SUPPORT	Desktop Client: Live - 512 streams, Playback/Video retrieval sessions - 64, Sync playback - 9 streams. 512 live streams limit excludes 1 stream used per camera if Smart VMD is enabled. Maximum live streams per camera is 15 with Smart VMD enabled. Mobile App: 16 streams of 1080p HD @ 5 fps each. Note: During archival operations,maximum no of playback streams recommended from Desktop Client and Web Client is 16 streams.
ARCHIVAL PERFORMANCE	64 channels @ 2 Mbps / 128 Mbps total archival bandwidth while recording 192 channels @ 1024 Mbps. Outgoing archival + playback throughput of 256 Mbps.Total outgoing throughput 512 Mbps.
MULTI-STREAM PERFORMANCE	Support for max 3 streams per camera, or maximum 384 streams. The support is for configuring 1 preferred stream for continuous recording and 2 preferred streams for live video / motion based recording per camera.
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.

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MAXPRO® NVR PE (Professional Edition)

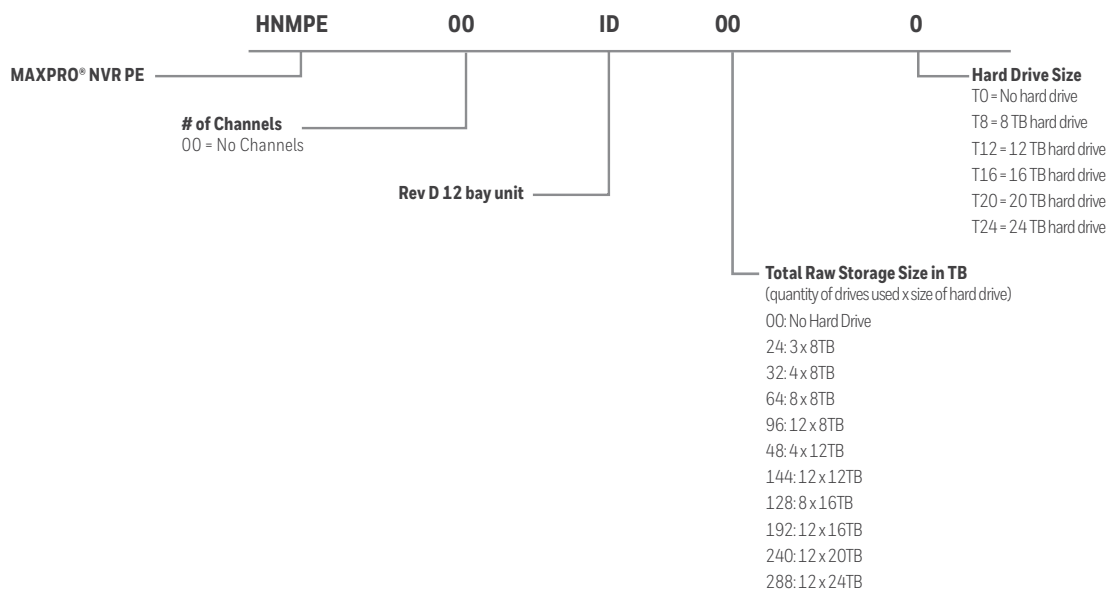32/64/96/128/192–Channel Enterprise NVR

DIMENSIONS

Front View

Rear View

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MAXPRO® NVR PE (Professional Edition)

32/64/96/128/192-Channel Enterprise NVR

Xa	Xb	Y	Za with bezel	Za without bezel	Zb	Zc	Max Sys Wgt	Chassis
482 mm	434 mm	86.8 mm	35.84 mm	22 mm	700.7 mm	736.29 mm	36.1 kg	2U

ORDERING

MAXPRO NVR PE – PART NUMBER LOOKUP

HNMPE   00   ID   00   0

MAXPRO® NVR PE

# of Channels
00 = No Channels

Rev D 12 bay unit

Hard Drive Size
T0 = No hard drive
T8 = 8 TB hard drive
T12 = 12 TB hard drive
T16 = 16 TB hard drive
T20 = 20 TB hard drive
T24 = 24 TB hard drive

Total Raw Storage Size in TB
(quantity of drives used x size of hard drive)
00: No Hard Drive
24: 3 x 8TB
32: 4 x 8TB
64: 8 x 8TB
96: 12 x 8TB
48: 4 x 12TB
144: 12 x 12TB
128: 8 x 16TB
192: 12 x 16TB
240: 12 x 20TB
288: 12 x 24TB

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MAXPRO® NVR PE (Professional Edition)

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ORDERING	

MAXPRO NVR PE

HNMPE00ID00T0	Maxpro PE NVR, RevD, 0 Ch, No HDD, 12Bay
HNMPE00ID24T8	Maxpro PE NVR, RevD, 0 Ch, 3x8 TB, RAID 5
HNMPE00ID32T8	Maxpro PE NVR, RevD, 0 Ch, 4x8 TB, RAID 5
HNMPE00ID64T8	Maxpro PE NVR, RevD,0 Ch, 8x8 TB, RAID 5
HNMPE00ID96T8	Maxpro PE NVR, RevD, 0 Ch, 12x8 TB, RAID 5
HNMPE00ID48T12	Maxpro PE NVR, RevD, 0 Ch, 4x12 TB, RAID 5
HNMPE00ID144T12	Maxpro PE NVR, RevD, 0 Ch, 12x12 TB, RAID 5
HNMPE00ID128T16	Maxpro PE NVR, RevD, 0 Ch, 8x16 TB, RAID 5
HNMPE00ID192T16	Maxpro PE NVR, RevD, 0 Ch, 12x16 TB, RAID 5
HNMPE00ID240T20	Maxpro PE NVR, RevD, 0 Ch, 12x20 TB, RAID 5
HNMPE00ID288T24	Maxpro PE NVR, RevD, 0 Ch, 12x24 TB, RAID 5

Note: The above storage capacity is for reference purpose.
The unit with Hard Drives shall be delivered with RAID5 configuration and actual storage availability shall differ.
** For optimum performance, RAID functionality requires Enterprise-grade Hard Disk Drives.

MAXPRO NVR PE – SOFTWARE LICENSES

HNMNVRSW4	MAXPRO NVR Base Software and License for 4 Channels
HNMNVRSW8	MAXPRO NVR Base Software and License for 8 Channels
HNMNVRSW16	MAXPRO NVR Base Software and License for 16 Channels
HNMNVRSW24	MAXPRO NVR Base Software and License for 24 Channels
HNMNVRSW32	MAXPRO NVR Base Software and License for 32 Channels
HNMNVRSW48	MAXPRO NVR Base Software and License for 48 Channels
HNMNVRSW64	MAXPRO NVR Base Software and License for 64 Channels
HNMNVRSW96	MAXPRO NVR Base Software and License for 96 Channels
HNMNVRSW128	MAXPRO NVR Base Software and License for 128 Channels
HNMNVRSW192	MAXPRO NVR Base Software and License for 192 Channels

MAXPRO NVR PE - CHANNEL UPGRADE LICENSES**

HNM01UP	NVR 1 Channel License Upgrade

** Note: When ordering channel license upgrades, order above part number and total quantity of channels needed per NVR. MAXPRO PE supports a maximum up to 192 channels for each NVR.

For more information

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