MAXPRO® NVR PE

Upto 128-Channel Enterprise Recording Solution

3 YEARS

Now with 3–year warranty

*Images are for illustration purpose only

OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 4.5 OR ABOVE	
DATABASE	Microsoft® SQL Server® 2012 Express
OPERATING SYSTEM	Windows 10 IoT Enterprise for Embedded Systems
IMAGE COMPRESSIONS SUPPORTED	MJPEG, MPEG-4, H,265
SUPPORTED HONEYWELL IP CAMERAS AND ENCODERS	Supports Performance Series IP, equIP® Series cameras. Refer to www.security.honeywell.com/hota/compatibility/index.html
SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS	Refer to the MAXPRO NVR Compatibility for a comprehensive list of compatible products to which this device is integrated. www.security.honeywell.com/hota/compatibility/index.html
AUDIO SUPPORT	1-way audio for specific IP camera models. Refer to www.security.honeywell.com/hota/compatibility/index.html
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	Constant and event based with H/M/D and holiday and exception days
RECORDING METHODS PER CAMERA	Constant, 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 4210 2.2G, 10C/20T, 9.6GT/s , 13.75M Cache, Turbo, HT (85W) DDR4-2400 x 1No
MEMORY	32GB (128-channel)
POWER SUPPLY	Dual, Hot-plug, Redundant Power Supply (1+1), 750W
OS DRIVE	BOSS controller card + with 2 x M.2 Sticks protected with RAID 1
STORAGE CAPACITIES	16 TB to 144 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 field upgrade 4 TB or 8 TB or 10 TB or 12 TB SATA/SAS hard drive options
NETWORK	4 x 1GbE with optional 10GbE SFP+
CHASSIS	2U, 12 bay including rack mount kit
RAID CARD	Data RAID Level: 0, 1, 5, 6, 10, 50, 60
REAR/FRONT PANEL CONNECTIONS	
I/O PORT	4 x 1 GbE
USB	Front: 2 x USB 2.0, Rear: 2 x USB 3.0
SERVICE PORT	1 x Mini USB Connector - RS232 Interface
MONITOR OUTPUT	Front : 1 x VGA Port, Rear : 1 x VGA Port
ELECTRICAL	
INPUT VOLTAGE	200-240 VAC, 7.08A, 47-63Hz
MECHANICAL	
CONSTRUCTION	Chassis: Black matte paint
DIMENSIONS (W X H X D)	86.8mm (3.41") x 434mm (17.08") x 693.81mm (27.31") (H x W x D)* *Dimensions do not include bezel
WEIGHT	29.68kg /65.43lbs (Without HDDs)
ENVIRONMENTAL	
TEMPERATURE OPERATING	10ºC to 35ºC (50ºF to 95ºF)
RELATIVE HUMIDITY	5-90% non-condensing

Honeywell

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 CHANNEL) 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.
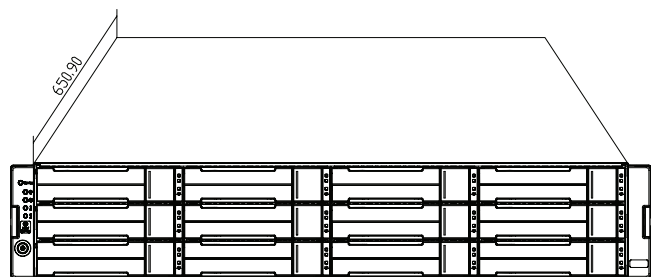
ARCHIVAL PERFORMANCE

25 channels @ 4 Mbps bitrate each / 100 Mbps total archival throughput capacity. Outgoing archival storage throughput of 275 Mbps.
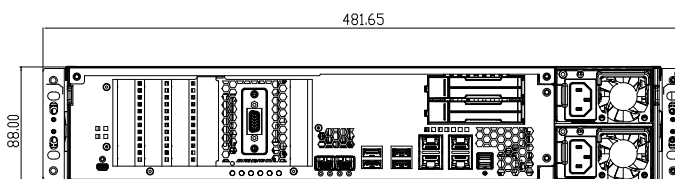
MULTI-STREAM PERFORMANCE

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.

MAXPRO® NVR PE Technical Specifications

Front View

Rear View

Ordering

MAXPRO PE NVR HARDWARE ORDERING	
PART CODE	DESCRIPTION
HNMPE00II000T0	0 Channel Maxpro PE NVR Server, 12 SATA bays

MAXPRO NVR SOFTWARE LICENSE	
PART CODE	DESCRIPTION
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

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

For more information

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THE FUTURE IS WHAT WE MAKE IT

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