MAXPRO® NVR SE

16/32/48/64/96-Channel NVR



ONVIF | SGTM

5 YEAR WARRANTY

OPERATIONAL	
MAXPRO NVR SOFTWARE - VERSION 7.95	
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 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 / 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 SE HARDWARE	
PROCESSOR	Intel Xeon E-2356G 6C 80W 3.2GHz
MEMORY	16GB 3200 Mhz
POWER SUPPLY	450W Platinum
OS DRIVE	240GB SATA, 1x M.2 5400P
STORAGE CAPACITIES	8 TB to 88TB raw storage
STORAGE HARD DRIVE OPTIONS	4 x 3.5" removable, hotswap 8TB, 12TB, 18 TB and 22TB SATA options
NETWORK	2x RJ45 GbE network ports
CHASSIS WITH LOCKING BEZEL	1U, 4 bay including rack mount kit
RAID CARD	Optional SW RAID 5
TPM	TPM 2.0
REAR PANEL CONNECTIONS	
MOUSE AND KEYBOARD	2 x USB (mouse and keyboard included)
USB	Front: 1x USB 2.0, 1x USB 3.2; Rear: 2x 3.2 USB
NETWORK	2x RJ45
XCLARITY	1x RJ45
MONITOR OUTPUT	1x VGA
ELECTRICAL	
INPUT VOLTAGE	110/220 VAC 50/60 Hz
OPERATING VOLTAGE	120/240V Auto-sensing
POWER DISSIPATION	Average BTU rating = 379.1 BTU/HR Peak BTU rating = 802.5 BTU/HR
MECHANICAL	
CONSTRUCTION	Chassis: Grey matte paint
DIMENSIONS (W X H X D)	17.1" x 1.7" x 21.5" (435mm x 43mm x 545mm)
WEIGHT	27.1 lbs / 12.3 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	FCC Part 15, Subpart B, Class B
SAFETY	ANSI/UL 60950-1; CAN/CSA C22.2 No 60950-1
OTHER	
WARRANTY	5 Year
COUNTRY OF ORIGIN	Mexico (US); Hungary (Europe)
RECORDING AND REMOTE MONITORING PERFORMANCE	
Non-RAID: 2880 fps @ 1080p (4.0 Mbps bitrate), HD. 1-way audio for up to 96 IP channels. Network bandwidth/throughput : 768 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	32 channels @ 2 Mbps / 64 Mbps total archival bandwidth while recording 96 channels. Outgoing archival + playback throughput of 192 Mbps (Non-RAID). Total outgoing throughput 384 Mbps (Non-RAID).
MULTI-STREAM PERFORMANCE	Support for max 3 streams per camera, or maximum 192 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 50 ch at 1280 fps @ 1080p or total 100 Megapixel. All channels at fps: 64 ch at 1920 fps @ 4CIF/VGA or 1920 fps @ 720p or 640 fps @ 1080p or total 128 Megapixel. Smart VMD is not recommended when more than 64 cameras are connected to the NVR.

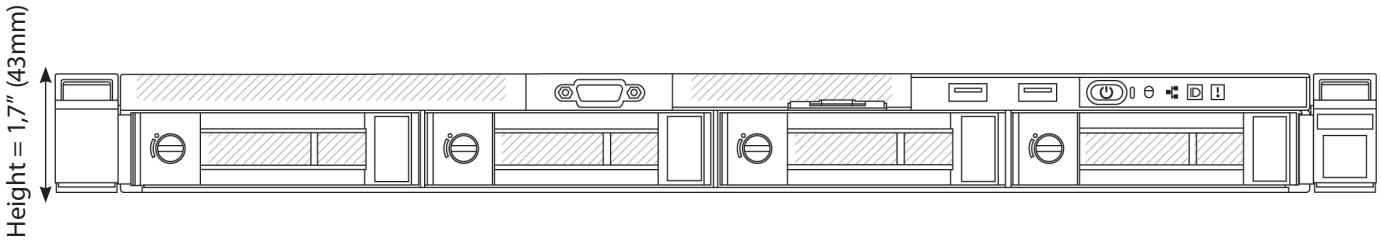
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MAXPRO® NVR SE (Standard Edition)

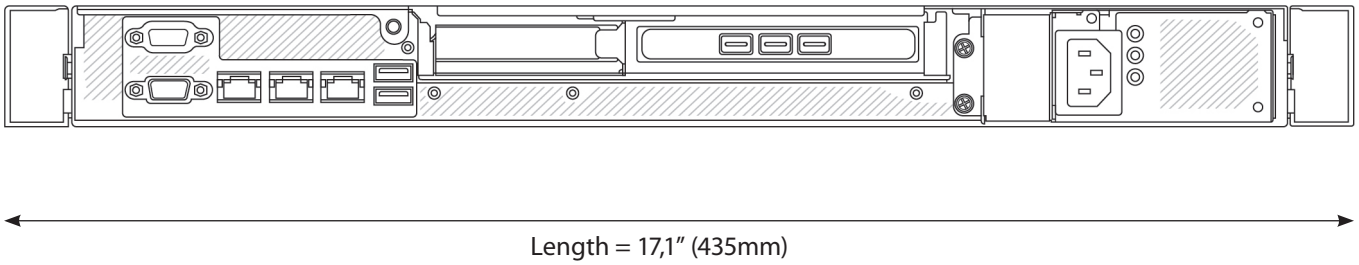
16/32/48/64/96-Channel Network Video Recorder (NVR)

DIMENSIONS

Front View



Rear View



ORDERING

MAXPRO NVR SE – PART NUMBER LOOKUP

HNMSE 64 E 24T

MAXPRO® NVR SE

# of Channels
16 = 16 channels
32 = 32 channels
48 = 48 channels
64 = 64 channels
96 = 96 channels
00=No Channels

Rev E - 4 bay unit

Internal Storage
8T = 1 x 8TB
16T = 2 x 8TB
24T = 3 x 8TB or 2 x 12TB
32T = 4 x 8TB
48T = 4 x 12TB
36T = 2 x 18TB
54T = 3 x 18TB
72T = 4 x 18TB
66T = 3 x 22TB
88T = 4 x 22TB

MAXPRO® NVR SE (Standard Edition)

16/32/48/64/96-Channel Network Video Recorder (NVR)

ORDERING

MAXPRO NVR SE - 16 CHANNELS	
HNMSE16E08T8	MAXPRO SE NVR, 16CH, 1 x 8TB HDD
HNMSE16E16T8	MAXPRO SE NVR, 16CH, 2 x 8TB HDD
HNMSE16E24T8	MAXPRO SE NVR, 16CH, 3 x 8TB HDD
HNMSE16E32T8	MAXPRO SE NVR, 16CH, 4 x 8TB HDD
HNMSE16E24T12	MAXPRO SE NVR, 16CH, 2 x 12TB HDD
HNMSE16E48T12	MAXPRO SE NVR, 16CH, 4 x 12TB HDD
HNMSE16E36T18	MAXPRO SE NVR, 16CH, 2 x 18TB HDD
HNMSE16E54T18	MAXPRO SE NVR, 16CH, 3 x 18TB HDD
HNMSE16E72T18	MAXPRO SE NVR, 16CH, 4 x 18TB HDD
HNMSE16E66T22	MAXPRO SE NVR, 16CH, 3 x 22TB HDD
HNMSE16E88T22	MAXPRO SE NVR, 16CH, 4 x 22TB HDD
MAXPRO NVR SE - 32 CHANNELS	
HNMSE32E08T8	MAXPRO SE NVR, 32CH, 1 x 8TB HDD
HNMSE32E16T8	MAXPRO SE NVR, 32CH, 2 x 8TBHDD
HNMSE32E24T8	MAXPRO SE NVR, 32CH, 3 x 8TB HDD
HNMSE32E32T8	MAXPRO SE NVR, 32CH, 4 x 8TB HDD
HNMSE32E24T12	MAXPRO SE NVR, 32CH, 2 x 12TB HDD
HNMSE32E48T12	MAXPRO SE NVR, 32CH, 4 x 12TB HDD
HNMSE32E36T18	MAXPRO SE NVR, 32CH, 2 x 18TB HDD
HNMSE32E54T18	MAXPRO SE NVR, 32CH, 3 x 18TB HDD
HNMSE32E72T18	MAXPRO SE NVR, 32CH, 4 x 18TB HDD
HNMSE32E66T22	MAXPRO SE NVR, 32CH, 3 x 22TB HDD
HNMSE32E88T22	MAXPRO SE NVR, 32CH, 4 x 22TB HDD
MAXPRO NVR SE - 48 CHANNELS	
HNMSE48E08T8	MAXPRO SE NVR, 48CH, 1 x 8TB HDD
HNMSE48E16T8	MAXPRO SE NVR, 48CH, 2 x 8TBHDD
HNMSE48E24T8	MAXPRO SE NVR, 48CH, 3 x 8TB HDD
HNMSE48E32T8	MAXPRO SE NVR, 48CH, 4 x 8TB HDD
HNMSE48E24T12	MAXPRO SE NVR, 48CH, 2 x 12TB HDD
HNMSE48E48T12	MAXPRO SE NVR, 48CH, 4 x 12TB HDD
HNMSE48E36T18	MAXPRO SE NVR, 48CH, 2 x 18TB HDD
HNMSE48E54T18	MAXPRO SE NVR, 48CH, 3 x 18TB HDD
HNMSE48E72T18	MAXPRO SE NVR, 48CH, 4 x 18TB HDD
HNMSE48E66T22	MAXPRO SE NVR, 48CH, 3 x 22TB HDD
HNMSE48E88T22	MAXPRO SE NVR, 48CH, 4 x 22TB HDD

MAXPRO NVR SE - 64 CHANNELS	
HNMSE64E08T8	MAXPRO SE NVR, 64CH, 1 x 8TB HDD
HNMSE64E16T8	MAXPRO SE NVR, 64CH, 2 x 8TBHDD
HNMSE64E24T8	MAXPRO SE NVR, 64CH, 3 x 8TB HDD
HNMSE64E32T8	MAXPRO SE NVR, 64CH, 4 x 8TB HDD
HNMSE64E24T12	MAXPRO SE NVR, 64CH, 2 x 12TB HDD
HNMSE64E48T12	MAXPRO SE NVR, 64CH, 4 x 12TB HDD
HNMSE64E36T18	MAXPRO SE NVR, 64CH, 2 x 18TB HDD
HNMSE64E54T18	MAXPRO SE NVR, 64CH, 3 x 18TB HDD
HNMSE64E72T18	MAXPRO SE NVR, 64CH, 4 x 18TB HDD
HNMSE64E66T22	MAXPRO SE NVR, 64CH, 3 x 22TB HDD
HNMSE64E88T22	MAXPRO SE NVR, 64CH, 4 x 22TB HDD
MAXPRO NVR SE - 96 CHANNELS	
HNMSE96E08T8	MAXPRO SE NVR, 96CH, 1 x 8TB HDD
HNMSE96E16T8	MAXPRO SE NVR, 96CH, 2 x 8TBHDD
HNMSE96E24T8	MAXPRO SE NVR, 96CH, 3 x 8TB HDD
HNMSE96E32T8	MAXPRO SE NVR, 96CH, 4 x 8TB HDD
HNMSE96E24T12	MAXPRO SE NVR, 96CH, 2 x 12TB HDD
HNMSE96E48T12	MAXPRO SE NVR, 96CH, 4 x 12TB HDD
HNMSE96E36T18	MAXPRO SE NVR, 96CH, 2 x 18TB HDD
HNMSE96E54T18	MAXPRO SE NVR, 96CH, 3 x 18TB HDD
HNMSE96E72T18	MAXPRO SE NVR, 96CH, 4 x 18TB HDD
HNMSE96E66T22	MAXPRO SE NVR, 96CH, 3 x 22TB HDD
HNMSE96E88T22	MAXPRO SE NVR, 96CH, 4 x 22TB HDD
MAXPRO NVR SE - 0 CHANNELS	
HNMSE00E00T0 *	MAXPRO SE NVR, 4 x 0TB HDD, No Channels
HNMSE00E08T8	MAXPRO SE NVR, 1 x 8TB HDD, No Channels
HNMSE00E16T8	MAXPRO SE NVR, 2 x 8TB HDD, No Channels
HNMSE00E24T8	MAXPRO SE NVR, 3 x 8TB HDD, No Channels
HNMSE00E32T8	MAXPRO SE NVR, 4 x 8TB HDD, No Channels
HNMSE00E24T12	MAXPRO SE NVR, 2 x 12TB HDD, No Channels
HNMSE00E48T12	MAXPRO SE NVR, 4 x 12TB HDD, No Channels
HNMSE00E36T18	MAXPRO SE NVR, 2 x 18TB HDD, No Channels
HNMSE00E54T18	MAXPRO SE NVR, 3 x 18TB HDD, No Channels
HNMSE00E72T18	MAXPRO SE NVR, 4 x 18TB HDD, No Channels
HNMSE00E66T22	MAXPRO SE NVR, 3 x 22TB HDD, No Channels
HNMSE00E88T22	MAXPRO SE NVR, 4 x 22TB HDD, No Channels

*Note: For optimum performance, RAID functionality requires Enterprise-grade Hard Disk Drives.

Refer to the storage calculator on buildings.honeywell.com to help determine what size unit to order.

MAXPRO SE NVR supports Optional RAID 5 but requires minimum of 3 drives for RAID 5

MAXPRO® NVR SE (Standard Edition)

16/32/48/64/96-Channel Network Video Recorder (NVR)

ORDERING (CONTINUED)

UPGRADE SKUS FOR MAXPRO NVR SE REV E	
HNMHD8T-E	8TB SATA Upgrade Kit MAXPRO NVR, Rev E
HNMHD12T-E	12TB SATA Upgrade Kit MAXPRO NVR, Rev E
HNMHD18T-E	18TB SATA Upgrade Kit MAXPRO NVR, Rev E
HNMHD22T-E	22TB SATA Upgrade Kit MAXPRO NVR, Rev E
HNMSERAILKIT-E	Replacement Rail Kit SE NVR
UPGRADE SKUS FOR MAXPRO NVR SE REV D ONLY	
HNMSXDHD2T	2TB HDD Upgrade Kit for Rev D
HNMSXDHD4T	4TB HDD Upgrade Kit for Rev D
HNMSXDHD6T	6TB HDD Upgrade Kit for Rev D
HNMSXDHD8T	8TB HDD Upgrade Kit for Rev D

MAXPRO NVR SE - 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. For MAXPRO SE, add support for up to 96 total channels per NVR.	
3RD PARTY I/O MODULE INTEGRATION	
HNMNVR3PIO	Network I/O Module
SOFTWARE MAINTENANCE & UPGRADES AGREEMENT FOR MAXPRO NVR	
SSAMPNVRCH	Annual Software Support Agreement - MAXPRO NVR system with VMS support included, per channel

For more information

hwll.co/securityUK

hwll.co/securityAE

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HBT-SEC-MPSE-DS-UK-EN-06-2025-V17 ZD
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