MAXPRO® NVR HE

64 / 96 / 128 / 192 / 256-Channel Enterprise 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 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
EVENT REPORT	Per camera or recorder events
OPERATORS	1024 operators across all recorders

OPERATIONAL	
MAXPRO NVR HE HARDWARE	
PROCESSOR	Dual (2X) Intel Xeon Silver 4310, 2.1 GHz
MEMORY	64GB TruDDR4 3200 MHz RDIMM
POWER SUPPLY	1+1 750W (230V/115V) Platinum Hot-Swap Power Supply
OS DRIVE	2 x 480GB Read Intensive SSD in RAID1
STORAGE CAPACITIES	16 TB to 440 TB raw storage
STORAGE HARD DRIVE OPTIONS	12 x 3.5" removable, hotswap 4TB, 8TB, 12TB, 18TB and 22TB SATA options
NETWORK	Quad 1GbE LAN Ports, Dual 10Gbe LAN ports
CHASSIS WITH LOCKING BEZEL	2U, 20 bay including rack mount kit
RAID CARD	RAID Level 0, 1, 5, 6,or 10
AUDIO	Line IN, Line Out and MIC In
TPM	TPM 2.0
REAR/FRONT PANEL CONNECTIONS	
MOUSE AND KEYBOARD	2 x USB
USB	3 x USB Rear
NETWORK	4 X 1 GbE RJ -45 and 2 x 10 GbE SFP+ (fiber)
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 = 615.2 BTU/HR Peak BTU rating = 2800 BTU/HR
MECHANICAL	
CONSTRUCTION	Chassis: Grey matte paint
DIMENSIONS (W X H X D)	17.5 x 3.4 x 30.4 inches / 444.5 x 86.36 x 773 mm
WEIGHT	85.5 lbs / 38.8 kg (fully populated)
ENVIRONMENTAL	
OPERATING TEMPERATURE	10°C to 35°C (50°F to 95°F)
RELATIVE HUMIDITY	8 to 80% non-condensing
OTHER	
WARRANTY	5 years
COUNTRY OF ORIGIN	Mexico (US); Hungary (Europe)
RECORDING AND MONITORING PERFORMANCE	
7680 fps @ 1080p (8.0 Mbps bitrate) HD. 1-way audio for up to 256 IP channels. Network bandwidth/throughput : 3072 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 @ 4 Mbps / 256 Mbps total archival bandwidth while recording 256 channels @ 2048 Mbps. Outgoing archival + playback throughput of 512 Mbps. Total outgoing throughput 1024 Mbps
MULTI-STREAM PERFORMANCE	Support for max 3 streams per camera, or maximum 768 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.

Honeywell

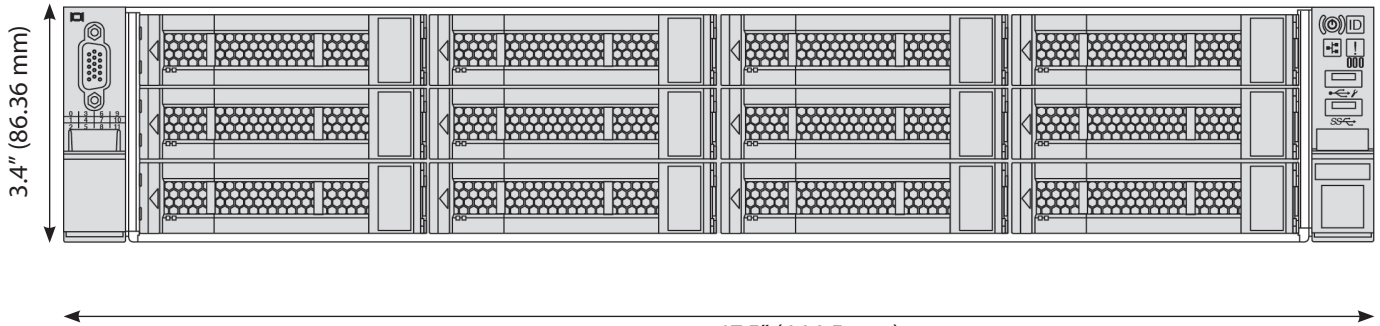
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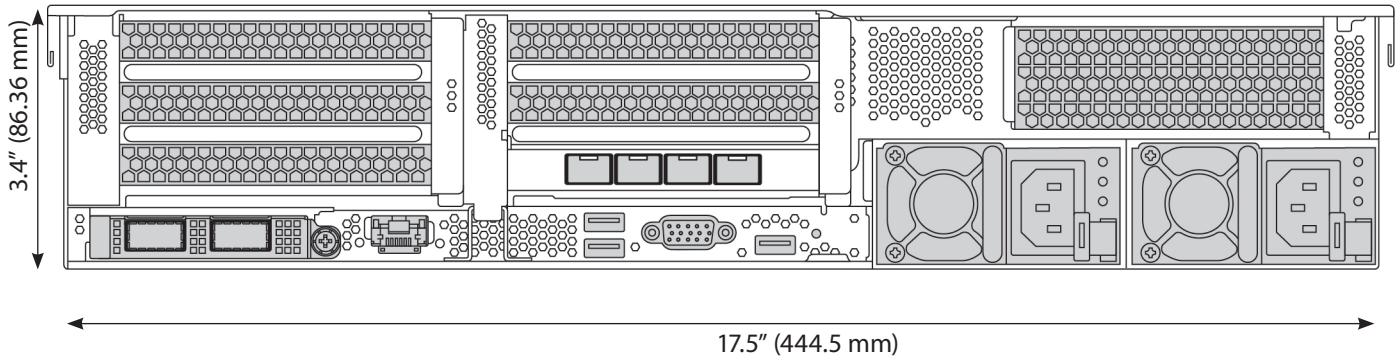
DIMENSIONS

Overall: 17.5" W X 3.4" H x 30.4" D (444.5 mm W x 86.36" H x 773m mm D)

Front View



Rear View



ORDERING

MAXPRO NVR HE – PART NUMBER LOOKUP

HNMHE 64 E 16 T8 R5

MAXPRO® NVR HE

# of Channels
64 = 64 Channels
96 = 96 Channels
128= 128 Channels
192=192 Channels
256 = 256Channels

00=No Channels*

* Indicate on order if RAID 5 or 6

Rev E 20 bay unit

Total Raw Storage Size in TB
(quantity of drives used x size of hard drive)
64: 16 x 4TB
128: 16x 8TB
160: 20x 8TB
192: 16x12TB
240: 20 x 12TB
360: 20x18TB
440: 20 x 22TB

Hard Drive Size
T4= 4 TB hard drive
T8 = 8 TB hard drive
T12= 12 TB hard drive
T18 = 18 TB hard drive
T22 = 22 TB hard drive

RAID
R5= RAID 5
R6= RAID 6

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ORDERING			
MAXPRO NVR HE - 64 CHANNELS			USEABLE STORAGE
HNMHE64E64T4R5	MAXPRO NVR HE, 64 Channels, 16x4TB HDD, RAID 5	RAID5	54.6 TB
HNMHE64E128T8R5	MAXPRO NVR HE, 64 Channels, 16x8TB HDD, RAID 5		109.1 TB
HNMHE64E160T8R5	MAXPRO NVR HE, 64 Channels, 20x8TB HDD, RAID 5		138.2 TB
HNMHE64E192T12R5	MAXPRO NVR HE, 64 Channels, 16x12TB HDD, RAID 5		163.7 TB
HNMHE64E240T12R5	MAXPRO NVR HE, 64 Channels, 20x12TB HDD, RAID 5		207.4 TB
HNMHE64E360T18R5	MAXPRO NVR HE, 64 Channels, 20x18TB HDD, RAID 5		311.0 TB
HNMHE64E440T22R5	MAXPRO NVR HE, 64 Channels, 20x22TB HDD, RAID 5		380.2 TB
HNMHE64E64T4R6	MAXPRO NVR HE, 64 Channels, 16x4TB HDD, RAID 6	RAID6	50.9 TB
HNMHE64E128T8R6	MAXPRO NVR HE, 64 Channels, 16x8TB HDD, RAID 6		101.9 TB
HNMHE64E160T8R6	MAXPRO NVR HE, 64 Channels, 20x8TB HDD, RAID 6		131.0 TB
HNMHE64E192T12R6	MAXPRO NVR HE, 64 Channels, 16x12TB HDD, RAID 6		152.8 TB
HNMHE64E240T12R6	MAXPRO NVR HE, 64 Channels, 20x12TB HDD, RAID 6		196.5 TB
HNMHE64E360T18R6	MAXPRO NVR HE, 64 Channels, 20x18TB HDD, RAID 6		294.7 TB
HNMHE64E440T22R6	MAXPRO NVR HE, 64 Channels, 20x22TB HDD, RAID 6		360.2 TB
MAXPRO NVR HE - 96 CHANNELS			USEABLE STORAGE
HNMHE96E64T4R5	MAXPRO NVR HE, 96 Channels, 16x4TB HDD, RAID 5	RAID5	54.6 TB
HNMHE96E128T8R5	MAXPRO NVR HE, 96 Channels, 16x8TB HDD, RAID 5		109.1 TB
HNMHE96E160T8R5	MAXPRO NVR HE, 96 Channels, 20x8TB HDD, RAID 5		138.2 TB
HNMHE96E192T12R5	MAXPRO NVR HE, 96 Channels, 16x12TB HDD, RAID 5		163.7 TB
HNMHE96E240T12R5	MAXPRO NVR HE, 96 Channels, 20x12TB HDD, RAID 5		207.4 TB
HNMHE96E360T18R5	MAXPRO NVR HE, 96 Channels, 20x18TB HDD, RAID 5		311.0 TB
HNMHE96E440T22R5	MAXPRO NVR HE, 96 Channels, 20x22TB HDD, RAID 5		380.2 TB
HNMHE96E64T4R6	MAXPRO NVR HE, 96 Channels, 16x4TB HDD, RAID 6	RAID6	50.9 TB
HNMHE96E128T8R6	MAXPRO NVR HE, 96 Channels, 16x8TB HDD, RAID 6		101.9 TB
HNMHE96E160T8R6	MAXPRO NVR HE, 96 Channels, 20x8TB HDD, RAID 6		131.0 TB
HNMHE96E192T12R6	MAXPRO NVR HE, 96 Channels, 16x12TB HDD, RAID 6		152.8 TB
HNMHE96E240T12R6	MAXPRO NVR HE, 96 Channels, 20x12TB HDD, RAID 6		196.5 TB
HNMHE96E360T18R6	MAXPRO NVR HE, 96 Channels, 20x18TB HDD, RAID 6		294.7 TB
HNMHE96E440T22R6	MAXPRO NVR HE, 96 Channels, 20x22TB HDD, RAID 6		360.2 TB
MAXPRO NVR HE - 128 CHANNELS			USEABLE STORAGE
HNMHE128E64T4R5	MAXPRO NVR HE, 128 Channels, 16x4TB HDD, RAID 5	RAID5	54.6 TB
HNMHE128E128T8R5	MAXPRO NVR HE, 128 Channels, 16x8TB HDD, RAID 5		109.1 TB
HNMHE128E160T8R5	MAXPRO NVR HE, 128 Channels, 20x8TB HDD, RAID 5		138.2 TB
HNMHE128E192T12R5	MAXPRO NVR HE, 128 Channels, 16x12TB HDD, RAID 5		163.7 TB
HNMHE128E240T12R5	MAXPRO NVR HE, 128 Channels, 20x12TB HDD, RAID 5		207.4 TB
HNMHE128E360T18R5	MAXPRO NVR HE, 128 Channels, 20x18TB HDD, RAID 5		311.0 TB
HNMHE128E440T22R5	MAXPRO NVR HE, 128 Channels, 20x22TB HDD, RAID 5		380.2 TB
HNMHE128E64T4R6	MAXPRO NVR HE, 128 Channels, 16x4TB HDD, RAID 6	RAID6	50.9 TB
HNMHE128E128T8R6	MAXPRO NVR HE, 128 Channels, 16x8TB HDD, RAID 6		101.9 TB
HNMHE128E160T8R6	MAXPRO NVR HE, 128 Channels, 20x8TB HDD, RAID 6		131.0 TB
HNMHE128E192T12R6	MAXPRO NVR HE, 128 Channels, 16x12TB HDD, RAID 6		152.8 TB
HNMHE128E240T12R6	MAXPRO NVR HE, 128 Channels, 20x12TB HDD, RAID 6		196.5 TB
HNMHE128E360T18R6	MAXPRO NVR HE, 128 Channels, 20x18TB HDD, RAID 6		294.7 TB
HNMHE128E440T22R6	MAXPRO NVR HE, 128 Channels, 20x22TB HDD, RAID 6		360.2 TB

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ORDERING (CONTINUED)			
MAXPRO NVR HE - 192 CHANNELS			USEABLE STORAGE
HNMHE192E64T4R5	MAXPRO NVR HE, 192 Channels, 16x4TB HDD, RAID 5	RAID5	54.6 TB
HNMHE192E128T8R5	MAXPRO NVR HE, 192 Channels, 16x8TB HDD, RAID 5		109.1 TB
HNMHE192E160T8R5	MAXPRO NVR HE, 192 Channels, 20x8TB HDD, RAID 5		138.2 TB
HNMHE192E192T12R5	MAXPRO NVR HE, 192 Channels, 16x12TB HDD, RAID 5		163.7 TB
HNMHE192E240T12R5	MAXPRO NVR HE, 192 Channels, 20x12TB HDD, RAID 5		207.4 TB
HNMHE192E360T18R5	MAXPRO NVR HE, 192 Channels, 20x18TB HDD, RAID 5		311.0 TB
HNMHE192E440T22R5	MAXPRO NVR HE, 192 Channels, 20x22TB HDD, RAID 5		380.2 TB
HNMHE192E64T4R6	MAXPRO NVR HE, 192 Channels, 16x4TB HDD, RAID 6	RAID6	50.9 TB
HNMHE192E128T8R6	MAXPRO NVR HE, 192 Channels, 16x8TB HDD, RAID 6		101.9 TB
HNMHE192E160T8R6	MAXPRO NVR HE, 192 Channels, 20x8TB HDD, RAID 6		131.0 TB
HNMHE192E192T12R6	MAXPRO NVR HE, 192 Channels, 16x12TB HDD, RAID 6		152.8 TB
HNMHE192E240T12R6	MAXPRO NVR HE, 192 Channels, 20x12TB HDD, RAID 6		196.5 TB
HNMHE192E360T18R6	MAXPRO NVR HE, 192 Channels, 20x18TB HDD, RAID 6		294.7 TB
HNMHE192E440T22R6	MAXPRO NVR HE, 192 Channels, 20x22TB HDD, RAID 6		360.2 TB
MAXPRO NVR HE - 256 CHANNELS			USEABLE STORAGE
HNMHE256E64T4R5	MAXPRO NVR HE, 256 Channels, 16x4TB HDD, RAID 5	RAID5	54.6 TB
HNMHE256E128T8R5	MAXPRO NVR HE, 256 Channels, 16x8TB HDD, RAID 5		109.1 TB
HNMHE256E160T8R5	MAXPRO NVR HE, 256 Channels, 20x8TB HDD, RAID 5		138.2 TB
HNMHE256E192T12R5	MAXPRO NVR HE, 256 Channels, 16x12TB HDD, RAID 5		163.7 TB
HNMHE256E240T12R5	MAXPRO NVR HE, 256 Channels, 20x12TB HDD, RAID 5		207.4 TB
HNMHE256E360T18R5	MAXPRO NVR HE, 256 Channels, 20x18TB HDD, RAID 5		311.0 TB
HNMHE256E440T22R5	MAXPRO NVR HE, 256 Channels, 20x22TB HDD, RAID 5		380.2 TB
HNMHE256E64T4R6	MAXPRO NVR HE, 256 Channels, 16x4TB HDD, RAID 6	RAID6	50.9 TB
HNMHE256E128T8R6	MAXPRO NVR HE, 256 Channels, 16x8TB HDD, RAID 6		101.9 TB
HNMHE256E160T8R6	MAXPRO NVR HE, 256 Channels, 20x8TB HDD, RAID 6		131.0 TB
HNMHE256E192T12R6	MAXPRO NVR HE, 256 Channels, 16x12TB HDD, RAID 6		152.8 TB
HNMHE256E240T12R6	MAXPRO NVR HE, 256 Channels, 20x12TB HDD, RAID 6		196.5 TB
HNMHE256E360T18R6	MAXPRO NVR HE, 256 Channels, 20x18TB HDD, RAID 6		294.7 TB
HNMHE256E440T22R6	MAXPRO NVR HE, 256 Channels, 20x22TB HDD, RAID 6		360.2 TB
MAXPRO NVR HE - 0 CHANNELS *			
HNMHE00E00T **	MAXPRO NVR HE, 20x0TB HDD, No Channels		
HNMHE00E64T4	MAXPRO NVR HE, 16x4TB HDD, No Channels		
HNMHE00E128T8	MAXPRO NVR HE, 16x8TB HDD, No Channels		
HNMHE00E160T8	MAXPRO NVR HE, 20x8TB HDD, No Channels		
HNMHE00E192T12	MAXPRO NVR HE, 16x12TB HDD, No Channels		
HNMHE00E240T12	MAXPRO NVR HE, 20x12TB HDD, No Channels		
HNMHE00E360T18	MAXPRO NVR HE, 20x18TB HDD, No Channels		
HNMHE00E440T22	MAXPRO NVR HE, 20x22TB HDD, No Channels		

*Indicate on order if RAID 5 or 6
** For optimum performance, RAID functionality requires Enterprise-grade Hard Disk Drives.

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ORDERING (CONTINUED)

UPGRADE SKUS FOR MAXPRO NVR HE REV E	
HNMHD4T-E	4TB SATA Upgrade Kit MAXPRO NVR, 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
HNMHEWS2K22-E*	Win10 to Server2022 Factory Upgrade, HE
HNMPERAILKIT-E	Replacement Rail Kit PE and HE NVR
* Note: HNMPEWSK22-E must be ordered initially as is not field upgradeable. Not compatible with MAXPRO PE NVRs Rev C or ProWatch HE Rev C and earlier	
UPGRADE SKUS FOR PRO-WATCH NVR HE REV C ONLY	
PWNPECHD8T	8TB SATA Upgrade Kit for Rev C
PWNPECHD12T	12TB SATA Upgrade Kit for Rev C
PWNPECHD16T	16TB SATA Upgrade Kit for Rev C

MAXPRO NVR HE – 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 HE, add support up to 256 channels for each NVR.	
3RD PARTY I/O MODULE INTEGRATION	
HNMNVR3PIO	Network I/O Module

SOFTWARE MAINTENANCE & UPGRADES AGREEMENTS FOR MAXPRO NVR	
SSAMPNVRCH	Annual Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel
SSA24MPNVRCH*	Annual 24/7 Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel
SSAEUMPNVRCH*	Annual End User 24/7 Software Support Agreement – MAXPRO NVR System with VMS support included, Per Channel
* Note: For U.S. and Canada only	

For more information
buildings.honeywell.com/security

Building Automation
Commercial Security
715 Peachtree St. NE
Atlanta, GA 30308
1.800.323.4576

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Honeywell reserves the right, without notification, to make changes in product design or specifications

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