

MAXPRO® NVR SE

32/48/64-Channel 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 + 2 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 / 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 |

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| 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 - 256 streams, Playback/Video retrieval sessions - 32, Sync playback - 9 streams. 256 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 number 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 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. |
| ARCHIVAL PERFORMANCE | 16 channels @ 4 Mbps bitrate each / 64 Mbps total archival throughput capacity. Outgoing archival storage throughput of 200 Mbps. |
| MULTI-STREAM PERFORMANCE | Support for maximum 128 streams. Support for configuring 1 preferred stream for continuous recording and 1 preferred stream for live video / motion based recording per camera. |

| OPERATIONAL | |
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| MAXPRO NVR SE HARDWARE | |
| PROCESSOR | i7-9700K Processor (12M Cache, up to 4.90 GHz) |
| MEMORY | 16 GB DDR4 |
| POWER SUPPLY | Single 500 W |
| OS PARTITION | 250 GB M.2 SSD OS drive |
| STORAGE CAPACITIES | 4 TB to 96 TB |
| STORAGE HARD DRIVE OPTIONS | 6 bays - all field-upgradable, 4, 6, 8, 10, 12, or 16 TB SATA hard drives |
| OPTICAL | 24x DVD-RW |
| NETWORK | Two 1 GB Ethernet included |
| CHASSIS WITH LOCKING BEZEL | 2U 6 bay including rack mount kit |
| REAR PANEL CONNECTIONS | |
| MOUSE AND KEYBOARD | 2x USB |
| USB | 1x Front, 6x Back (including 4x USB 3.0) |
| NETWORK | 2x RJ45 |
| MONITOR OUTPUT | 1 HDMI, 1 Display Port, 1 DVI, 1 VGA |
| ELECTRICAL | |
| INPUT VOLTAGE | 100-240V ~ 50/60 Hz - max 500W, Auto Switching |
| POWER DISSIPATION | Average BTU rating = 569 BTU/HR |
| MECHANICAL | |
| CONSTRUCTION | Housing: Steel chassis Finish: Black matte paint |
| DIMENSIONS (W X H X D) | 17.2" x 3.5" x 26" (437 mm x 88 mm x 660 mm) |
| WEIGHT | Unit: 43 lbs (19.5kg) |
| ENVIRONMENTAL | |
| TEMPERATURE | Operating: 5°C to 40°C (40°F to 104°F) Storage: -10°C to 65°C (14°F to 150°F) |
| RELATIVE HUMIDITY | 0% - 90%, non-condensing |
| REGULATORY | |
| EMISSIONS | FCC Part 15, Subpart B, Class B |
| SAFETY | ANSI / UL 60950-1; CAN/CSA C22.2 No 60950-1 |
| WARRANTY | |
| WARRANTY AND ADVANCED REPLACEMENTS | Refer to https://www.security.honeywell.com/resources/warranties |

RECORDING AND REMOTE MONITORING PERFORMANCE
1920 fps @ 4CIF/VGA or 1920 fps @ 720p HD or 1280 fps @ 1080p (4 Mbps bitrate) HD. 1-way audio for up to 64 IP channels. Network bandwidth/throughput - Incoming: 160 Mbps, Outgoing: 280 Mbps, Total: 440 Mbps. Rendering performance using GPU of up to 4 1080p HD @ 30 fps / 2 4K @ 30fps on local client. Note: OnCam Grandeye 360 Cameras are not supported with GPU rendering and use CPU rendering by default.

Honeywell

MAXPRO® NVR SE (Standard Edition)

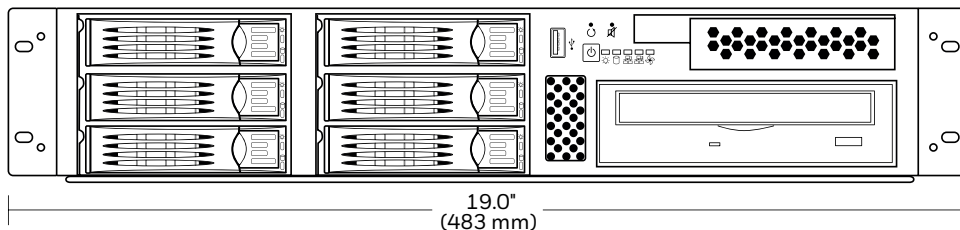
32/48/64-Channel Network Video Recorder (NVR)

HARDWARE FEATURES

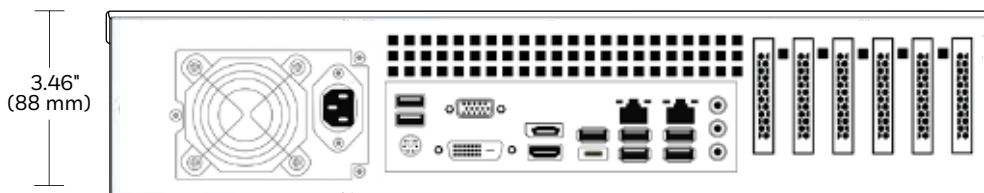
- Provides the processor and storage enclosure in one chassis, resulting in both space and cost savings
- Rack mountable with 6 removable drives, SATA hard drives used for operating system partition and video storage
- Record and monitor up to 64 channels at 1920 fps @ 4CIF/VGA or 1920 fps @ 720p HD or 1280 fps @ 1080p (4 Mbps bitrate) HD per MAXPRO NVR SE. Network bandwidth/throughput supported per NVR with Incoming: 160 Mbps, Outgoing: 280 Mbps; Total: 440 Mbps.
- Archival support of 16 channels @ 4 Mbps bitrate each/64 Mbps total archival throughput capacity per MAXPRO NVR SE, with outgoing archival storage throughput of 200 Mbps
- Multi-stream support with maximum 128 streams per MAXPRO NVR SE. Support for configuring 1 preferred stream for continuous recording and 1 preferred stream for live video / motion based recording per camera
- Supports One-way Audio (for specific IP cameras) with live, playback and clip export on desktop clients for up to 64 IP channels
- Includes HDMI, DVI-D and DVI-I ports for dual monitor support
- Supports displaying 16 cameras at one time on the NVR local monitor and rendering performance using GPU of up to 4 1080p HD @ 30 fps/2 4K @ 30 fps on local client
- 1 solid-state drive with operating system and 6 removable bays with storage hard drives (optional 4 TB, 6 TB, 8 TB, 10 TB, 12 TB or 16 TB SATA hard drives)
- Internal storage capacity from 4 TB to 96 TB
- Includes dual 1 GB Network ports optimized to separate record and viewing data to ensure 100% recording and smooth playback even with multiple client connections
- 2U rack mount form factor with locking front bezel. Rack rails included for use with four post racking systems

SPECIFICATIONS

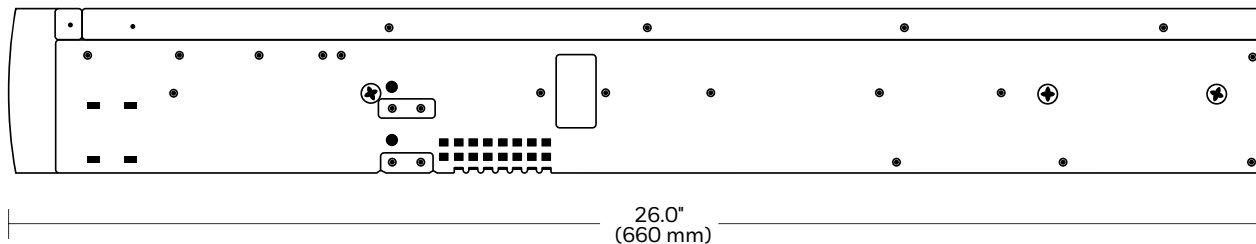
Front View



Rear View



Side View



MAXPRO® NVR SE (Standard Edition)

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

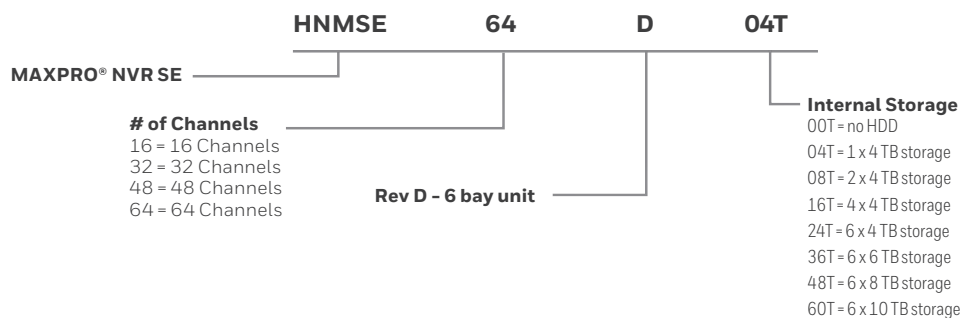
| MAXPRO NVR SE | | MAXPRO NVR SE - CHANNEL UPGRADE LICENSES | |
|---------------|------------------------------|--|--|
| HNMSE32D04T | 4 TB, 32 Channel, 1 x 4 TB | HNM01UP | MAXPRO NVR – 1 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE48D04T | 4 TB, 48 Channel, 1 x 4 TB | HNM04UP | MAXPRO NVR – 4 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE64D04T | 4 TB, 64 Channel, 1 x 4 TB | HNM08UP | MAXPRO NVR – 8 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE32D08T | 8 TB, 32 Channel, 2 x 4 TB | HNM16UP | MAXPRO NVR – 16 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE48D08T | 8 TB, 48 Channel, 2 x 4 TB | HNM32UP | MAXPRO NVR – 32 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE64D08T | 8 TB, 64 Channel, 2 x 4 TB | | |
| HNMSE32D16T | 16 TB, 32 Channel, 4 x 4 TB | | |
| HNMSE48D16T | 16 TB, 48 Channel, 4 x 4 TB | | |
| HNMSE64D16T | 16 TB, 64 Channel, 4 x 4 TB | | |
| HNMSE32D24T | 24 TB, 32 Channel, 6 x 4 TB | | |
| HNMSE48D24T | 24 TB, 48 Channel, 6 x 4 TB | | |
| HNMSE64D24T | 24 TB, 64 Channel, 6 x 4 TB | | |
| HNMSE32D36T | 36 TB, 32 Channel, 6 x 6 TB | | |
| HNMSE48D36T | 36 TB, 48 Channel, 6 x 6 TB | | |
| HNMSE64D36T | 36 TB, 64 Channel, 6 x 6 TB | | |
| HNMSE32D48T | 48 TB, 32 Channel, 6 x 8 TB | | |
| HNMSE48D48T | 48 TB, 48 Channel, 6 x 8 TB | | |
| HNMSE64D48T | 48 TB, 64 Channel, 6 x 8 TB | | |
| HNMSE32D60T | 60 TB, 32 Channel, 6 x 10 TB | | |
| HNMSE48D60T | 60 TB, 48 Channel, 6 x 10 TB | | |
| HNMSE64D60T | 60 TB, 64 Channel, 6 x 10 TB | | |
| HNMSE16D00T | Honeywell Server, 0 TB | | |

| ACCESSORIES FOR MAXPRO NVR SE/XE REV C | |
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| HNMSXDHD2T | 2 TB HDD Upgrade Kit |
| HNMSXDHD4T | 4 TB HDD Upgrade Kit |
| HNMSXDHD6T | 6 TB HDD Upgrade Kit |
| HNMSXDHD8T | 8 TB HDD Upgrade Kit |
| HNMSXDHD10T | 10 TB HDD Upgrade Kit |
| HNMSXDWS2K16 | Microsoft® Windows 10 to Windows Server 2016 Upgrade |

| SOFTWARE MAINTENANCE & UPGRADES AGREEMENTS FOR MAXPRO NVR | |
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| 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 |

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

MAXPRO NVR SE – PART NUMBER LOOKUP



For more information
www.security.honeywell.com

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