

MAXPRO[®] NVR SE

32/48/64-Channel NVR



| OPERATIONAL | |
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| MAXPRO NVR SOFTWARE - VERSION 7.0 | |
| 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 30 / 60 / 70 Series, Performance IP Series, eQulP [®] Series IP cameras |
| SUPPORTED THIRD PARTY IP CAMERAS AND ENCODERS | Refer to the MAXPRO NVR Compatibility on https://hwl.co/hota/ 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 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 |
| 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 | 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 no 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 64 ch at 1600 fps @ 1080p or total 100 Megapixel. All channels at fps: 64 ch at 1920 fps @ 4CIF/VGA or 1920 fps @ 720p or 1600 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 | Intel [®] Xeon [™] E-2386G, 3.5 GHz |
| MEMORY | 16 GB (2x 8 GB) DDR4 |
| OS DRIVE | 240 GB M.2 SSD OS drive |
| STORAGE CAPACITIES | 4 bays with max 20 TB SATA hard drives each |
| RAID LEVELS | Support for 0, 1, 5, 6, 10, 50, and 60 |
| NETWORK | Two 1 GB Ethernet |
| FRONT AND REAR PANEL CONNECTIONS | |
| USB | Front: 1x USB 3.0, 1x iDRAC Micro USB Rear: 5x USB 2.0, 1x USB 3.0 |
| NETWORK | Rear: 2x RJ45 NIC Gbps, 1x iDRAC |
| MONITOR OUTPUT | 1x VGA (Rear) |
| ELECTRICAL | |
| INPUT VOLTAGE | 110/220 VAC 50/60 Hz |
| OPERATING VOLTAGE | 110V/220V Auto Sensing |
| POWER CONSUMPTION | 300W |
| MECHANICAL | |
| DIMENSIONS (W X H X D) | 6.88 in x 14.17 in x 17.86 in (175 mm x 360 mm x 453.75 mm) |
| WEIGHT | 25.74 lbs (11.68 kg) including HDD |
| ENVIRONMENTAL | |
| TEMPERATURE | Operating: 5° to 35° C (41° to 95° F) Storage: -40° to 65° C (-40° to 149° F) |
| RELATIVE HUMIDITY | Operating: 10% - 85%, non-condensing |
| REGULATORY | |
| EMISSIONS | CE EN 55032:2015 +A11:2020, EN 55024:2010 +A1:2015, EN 55035:2017 +A11:2020, EN 61000-3-2:2018, EN 61000-3-3:2013/A1:2019; FCC Part 15, Subpart B, Class B |
| SAFETY | CE EN 62368-1:2014 +A11:2017, EN IEC 62368-1:2020 +A11:2020, EN 62311:2008; UL 62368-1 |
| RoHS | CE EN IEC 63000:2018 |

| RECORDING AND REMOTE MONITORING PERFORMANCE | |
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| 1920 fps @ 4CIF/VGA or 1920 fps @ 720p HD or 1600 fps @ 1080P Full HD. Network bandwidth / throughput - Incoming: 256 Mbps, Outgoing: 320 Mbps, Total 576 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

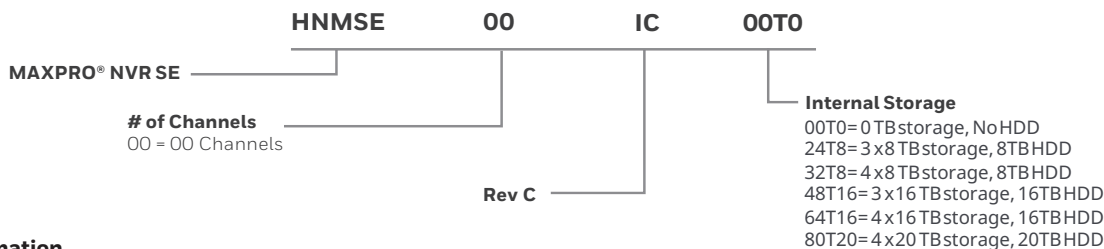
- Provides the processor and storage enclosure in one chassis, resulting in both space and cost savings
- Record and monitor up to 64 channels at 1920 fps @ 4CIF/VGA or 1920 fps @ 720p HD or 1600 fps @ 1080p Full HD (4 Mbps bitrate) per MAXPRO NVR SE. Network bandwidth/throughput supported per NVR with Incoming: 256 Mbps, Outgoing: 320 Mbps; Total: 576 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 Bi-directional Audio (for specific IP cameras) with live, playback and clip export on desktop clients for up to 64 IP channels
- Hardware RAID controller for video storage with support for 0, 1, 5, 6, 10, 50, and 60 RAID levels.
- M.2 SSD with operating system and 5 HDD bays for video storage
- Internal storage capacity up to 90 TB raw storage
- Includes dual 1 GB Network ports optimized to separate record and viewing data to ensure recording and smooth playback even with multiple client connections
- Chassis intrusion switch with AC power interlock. System powers down when right side cover is opened.
- Include hardware based TPM 2.0 FIPS to provide security related functions through integrated cryptographic keys.

| MAXPRO NVR SE | | MAXPRO NVR – CHANNEL UPGRADE LICENSES | |
|----------------|------------------------------|---------------------------------------|---|
| HNMSE00IC00T0 | 0 Channel, No HDD | MPNVRSW1UP | MAXPRO NVR Software – 1 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE00IC24T8 | 0 Channel, 3 x 8 TB, RAID 5 | MPNVRSW4UP | MAXPRO NVR Software – 4 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE00IC32T8 | 0 Channel, 4 x 8 TB, RAID 5 | MPNVRSW8UP | MAXPRO NVR Software – 8 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE00IC48T16 | 0 Channel, 3 x 16 TB, RAID 5 | MPNVRSW16UP | MAXPRO NVR Software – 16 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE00IC64T16 | 0 Channel, 4 x 16 TB, RAID 5 | MPNVRSW32UP | MAXPRO NVR Software – 32 Channel License Upgrade to add support for up to 64 Channels per NVR |
| HNMSE00IB80T20 | 0 Channel, 4 x 20 TB, RAID 5 | | |

| MAXPRO NVR – SOFTWARE LICENSES | |
|--------------------------------|---|
| 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 |

Note: The above storage capacity is for reference purpose. The unit shall be delivered with RAID5 configuration and actual storage availability shall differ.

MAXPRO NVR SE – PART NUMBER LOOKUP



For more information

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 FUTURE
 IS
 WHAT
 WE
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