MAXPRO®
NVR SE
32/48/64-Channel NVR

OPERATIONAL
MAXPRO NVR SOFTWARE - VERSION 5.6 OR ABOVE
DATABASE
Microsoft® SQL Server® 2012 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
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 13 remote workstations + 2 local on NVR
SALVO LAYOUTS
Desktop Client - Full, 2x2, 1x1, 2x3, 3x2, 2x4, 4x4
Web Client - 2x2, 2x1, 1x2, 2x3, 3x2, 2x4, 4x4
Mobile app (Phone) - 2x2, 2x4, 4x4
Mobile app (Tablet) - 3x2, 2x4, 4x4
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 / paramorph views)
EVENT RECORDING
Pre and post duration setting
OPERATOR REPORTING
Per user, configurator, session and viewer
EVENT REPORT
Per camera or recorder events
OPERATORS
10/24

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 consumed 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 includes 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.

OPERATIONAL
MAXPRO NVR SE HARDWARE
PROCESSOR
Intel® Core™ i7-7700, 3.6 GHz, Intel HD Graphics 630
MEMORY
16 GB DDR4
POWER SUPPLY
Single 400 W
OS PARTITION
250 GB M.2 SSD OS drive
STORAGE CAPACITIES
4 TB to 60 TB
STORAGE HARD DRIVE OPTIONS
6 bays - all field-upgradable, 4, 6, 8 or 10 TB SATA hard drives
OPTICAL
2x 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, 5x Back (including 4x USB 3.0)
NETWORK
2x RJ45
MONITOR OUTPUT
Dual monitor support - 2x HDMI, 1x DVI-D, 1x DVI
ELECTRICAL
INPUT VOLTAGE
100-240V ~ 50/60 Hz - max 400W, 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” (438 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
EMISSIONS
FCC Part 15, Subpart B, Class B
SAFETY
ANSI / UL 60950-1, CAN/CSA C22.2 No 60950-1
WARRANTY
Refer to https://www.security.honeywell.com/resources/warranties
RINSING 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 x 1080p HD @ 30 fps / 2 x 4K @ 30 fps on local client. Note: Oncam Grandeye 360 Cameras are not supported with GPU rendering and use CPU rendering by default.

RECORDING AND REMOTE MONITORING PERFORMANCE
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 192 Megapixel
ARCHIVAL PERFORMANCE
16 channels @ 4 Mbps bit rate 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
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 or 10 TB drives)
- Internal storage capacity from 4 TB to 60 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)

### ORDERING

<table>
<thead>
<tr>
<th>MAXPRO NVR SE</th>
<th>MAXPRO NVR SE – CHANNEL UPGRADE LICENSES</th>
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<td>HNMSE32C04T</td>
<td>4 TB, 32 Channel, 1 x 4 TB</td>
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### ACCESSORIES FOR MAXPRO NVR SE/XE REV C

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<th>ACCESSORIES FOR MAXPRO NVR SE/XE REV C</th>
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### MAXPRO NVR SE – PART NUMBER LOOKUP

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<tr>
<th>MAXPRO® NVR SE</th>
<th># of Channels</th>
<th>Internal Storage</th>
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<tr>
<td>HNMSE64C04T</td>
<td>32 = 32 Channels</td>
<td>04T = 1 x 4 TB storage</td>
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<tr>
<td>HNMSE64C08T</td>
<td>48 = 48 Channels</td>
<td>08T = 2 x 4 TB storage</td>
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<td>HNMSE64C16T</td>
<td>64 = 64 Channels</td>
<td>16T = 4 x 4 TB storage</td>
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<td>96 = 48 Channels</td>
<td>24T = 6 x 4 TB storage</td>
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<td>144 = 64 Channels</td>
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<td>48T = 6 x 8 TB storage</td>
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<tr>
<td>HNMSE64C60T</td>
<td></td>
<td>60T = 6 x 10 TB storage</td>
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Refer to the storage calculator on www.security.honeywell.com to help determine what size unit to order.

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**For more information**

www.security.honeywell.com

**Honeywell Commercial Security**

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HSV-MPSE-03-US/0619DS-Z
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