

# Q-SYS NVM-302D

Network video decoder

## KEY FEATURES

- Q-SYS native video decoder
- Mediacast AV routing paradigm enables high-quality, network-efficient video distribution at scale
- Supports resolutions up to 4K60 4:4:4
- RS-232 and IR connectivity for third-party device control
- AV Bridging via USB-C (supported in a future firmware update)



The Q-SYS NVM-302D is a network HDMI decoder that comes pre-installed with a single-channel decode video app. Q-SYS NVM Series network video endpoints deliver high-quality, low-bandwidth network video at scale to a broad range of spaces for hospitality, entertainment, collaboration, government and more.

### SCALE Q-SYS VIDEO EXPERIENCES

The NVM Series NVM-302D decoder comes pre-installed with a single-channel decode video app.

Q-SYS NVM Series video endpoints expand the existing video use cases for your Q-SYS systems, pairing low-density HDMI I/O with network-efficient AV transport to deliver Q-SYS network video that is purpose-built for large-scale deployments into a broader range of spaces from entertainment and hospitality to collaboration, government and more.

NVM Series are designed on a software paradigm that reduces the reliance on single-purpose hardware and is ready for future feature updates and additional video apps that will allow your Q-SYS system to evolve alongside your business needs.

### DESIGN NATIVELY. DEPLOY FASTER.

The new NVM Designer tool is an intuitive method for configuring and deploying large scale video systems natively within Q-SYS Designer Software, the singular software program that enables the rest of your system design, including DSP programming, AV routing and user control interface design. NVM Designer enables no-code deployment of hundreds of endpoints in minutes, without the need for additional video matrix or management hardware.

### DELIVER HOLISTIC Q-SYS EXPERIENCES.

Driven by the Q-SYS Full Stack AV Platform, NVM Series video endpoints leverage an integrated audio, video and control engine that streamlines system integration, from no-code workflows and end-to-end automation to comprehensive user control, making it even easier to expand the Q-SYS experience into more types of application spaces.

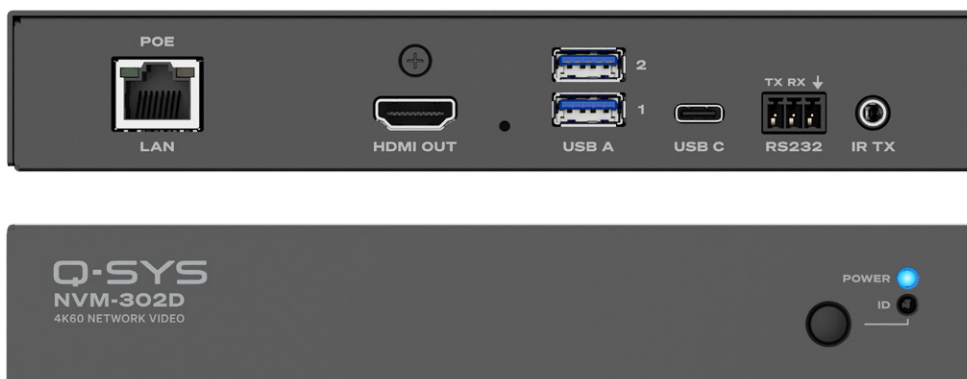
The NVM series decoding solution pairs the NVM-302D decoder with a video application.

- **NVM-D1:** Includes the NVM-302D decoder with the single decode app pre-installed.

## SUPPORTED VIDEO FORMATS

Resolution		Frame rate (Hz)	Chroma sampling level	Bit Depth
4K (UHD/DCI)	3840×2160, 4096×2160	23.976/24, 25, 29.97/30, 50, 59.94/60	4:4:4	8 bit
FHD/FHD+	1920×1080 (1080p), 1920×1200	23.976/24, 25, 29.97/30, 50, 59.94/60	4:4:4	8 bit
HD	1280×720 (720p)	23.976/24, 25, 29.97/30, 50, 59.94/60	4:4:4	8 bit
Ultrawide (21:9)	3440×1440, 2560×1080	23.976/24, 25, 29.97/30, 50, 59.94/60	4:4:4	8 bit
PC Resolutions	2560×1440, 2560×1600	60	4:4:4	8 bit
SD (NTSC)	720×480	29.97/30, 59.94/60	4:4:4	8 bit
SD (PAL)	720×576	25, 50	4:4:4	8 bit
VGA	640 × 480	59.94/60	4:4:4	8 bit

- 4:2:2 & 4:2:0 Chroma subsampling supported at some resolutions.
- The scaler is capable of operating in three modes (configurable within Q-SYS Designer Software):
  1. Stretch-to-fit
  2. Maintain aspect ratio
  3. 1:1 pixel mapping



**VIDEO I/O**

HDMI 2.0 output	1x HDMI 2.0 output capable of transmitting output video formats up to 4K60 4:4:4 when using NVM-D1 application HDCP 2.3 and 1.4 supported
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**AUDIO I/O**

HDMI inputs	8-channel PCM audio, Q-SYS routable
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**GENERAL**

Dimensions	7.3 × 5.2 × 1.2 in (185 × 131.5 × 30.5 mm)
Weight	1.75 lbs (794 g)
Mounting options	Surface mounting hardware included; compatible with NV-RACK accessory for rack mounting

**OTHER**

RS-232	1x RS-232 (3.5mm pitch euro-block)
IR transmit	1x IR Transmit (3.5mm mini jack)
USB-C	USB 3.2 Gen 1 Type-C Device Port - Device Mode and Host Mode supported - Video bridging supported in future firmware release - 5V, 900 mA (total, shared across all USB peripherals)
USB-A	2x USB 3.2 Gen 1 - 5 V, 900 mA (total, shared across all USB peripherals)
LAN	2.5GBASE-T compliant
Power over Ethernet	PoE+, 802.3at Type 2, Class 4 (25.5 W at PD, 30 W at PSE)

**ENVIRONMENTAL**

Ambient operating temperature range	32° to 104° F (0° - 40° C)
Humidity	5 to 90 RH % non-condensing
Storage temperature	-4° to 158° F (-20° to +70° C)
What's in the box?	NVM-302D video endpoint Euro-terminal connectors for RS-232 Surface mounting accessories Safety and warranty statements

**PERIPHERAL LIMITS**

Audio channels	Each routing group consumes 1x audio channel; The NVM-302D consumes 1x audio channel when breakout audio is enabled. Limitations of audio channels is based on the Q-SYS Core used in the design.
Video limitation	Limitations of video endpoints is based on the peripheral limits of the Q-SYS Core used in the design.