

AMX NMX-DEC-N2622S

MWC 4K60 4:4:4 & H.264 1080p Multi-Codec Decoder

AMX-N26D001 (Stand Alone)



The AMX NMX-DEC-N2622S Multi-Codec Decoder

Overview

The AMX SVSI NMX-DEC-N2622S is a cost-effective, powerfully robust decoder. It features the capability to decode a high-quality, low latency 4K60 4:4:4 MWC codec or an H264 stream that is ideal for classrooms, meeting spaces, courtrooms, bars, and other applications.

Additional features include transport of full-bandwidth USB 2.0 signals, video preview images viewable from the built-in web interface or from a touch panel, and enhanced support for high-security networks.

Compatible encoders include the NMX-ENC-N2615-WP Encoder Wallplate and the NMX-DEC-N2622S Multi-Codec Decoder.

Features

- High-Quality, Low-Latency 4K60 MWC Decoding.
- H.264 Decoding
- Video Preview viewable from the built-in web interface or from a touch panel
- USB 2.0 Transport
- High security network support and features, including multicast, VLAN tagging and QoS.
- PoE+ powered with low-power mode for energy savings.
- Open Direct-Control API

Specifications

VIDEO	
Digital Video Input	Network video over Ethernet via RJ45 port
Digital Video Output	HDMI 2.0
Formats	HDMI 2.0, HDCP 2.2 content protection support
Progressive Input Resolutions	Supports most common HD resolutions up to 4K60 4:4:4
Output Resolutions	720p, 1080p, 4K60 or input resolution if scaler is disabled
Output Scaling	Note: there are no limitations when upscaling. A 4K60 signal can be downscaled to 1080p without issue. Scaling down to 720p from 4K60 is not supported.
Color Space	4:4:4, YUV
LocalPlay/HostPlay	TBD playlists
HostPlay	TBD image/list
Note	Jumbo Frames Required
Video Wall Construction	Supported within the N2622, N2625, or N2625-EK the N2600 Series is compatible with the SVSI N3510 Windowing Processor when using H.264 stream.
Network Video Recording	Only the H264 stream is compatible so long as the source is not HDCP.

H264 VIDEO	
Stream Video Input	720P or 1080P
Frame Rate	50 or 60 Hz
Profiles	Baseline (BP), main (MP), high (HiP)
Bitrate Range	500 Kbps to 50 Mbps
Rate Control	CBR, VBR
Streaming Protocols	RTP, RTSP, RTMP, RTMP/S, MPEG2-TS, HTTP Live

AUDIO	
Input Signal Types	Network audio over ethernet
Output Signal Types	Embedded audio on HDMI or Analog Audio Output
HDMI Audio Formats	8ch PCM
Analog Audio Format	Stereo 2-channel
Audio Breakaway	Supported

KEYBOARD AND MOUSE	
Keyboard & Mouse	Connect the decoder to the keyboard and mouse, and an N2600 Series Encoder to the PC being controlled

USB 2.0	
USB	Connect the decoder to an end device such as a USB camera, audio, or USB 2.0 device, and an N2600 Series Encoder to the PC.

LATENCY	
Latency	16-ms Scaling adds one frame of latency (17ms at 60fps)
Switching	Up to 1.25 seconds

COMMUNICATIONS	
Ethernet	10/100/1000 Mbps, auto-negotiating, auto-sensing, full/half duplex, DHCP and Static IP
HDMI	HDCP, EDID management

PORTS	
+12V 2A	One 12 Volt DC power input
P0	8-wire RJ45 port 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port Provides network connection, network AV video, and power to the Encoders and Decoders PoE power
P1	8-wire RJ45 port 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port Provides network connection, network AV video
IR IN (front panel)	3-pin terminal Phoenix connector. Provides Infrared (IR) input only and passes signal back to connected decoder (33-60 kHz; typically, 39 kHz) IR receiver is necessary (not included)
IR OUT	2-pin terminal Phoenix connector Provides Infrared (IR) output only (33-60 kHz; typically, 39 kHz). Emitter is necessary (not included)
RS232	3-pin terminal Phoenix connector which provides a serial control interface. Full duplex communication. Available terminal speed settings: 1200-115200 baud rate
AUDIO	5-pin terminal Phoenix connector which provides user-selectable balanced/unbalanced output Dedicated audio input
HDMI OUT	HDMI video output (passive pass-through from HDMI IN only)

CONTROLS AND INDICATORS – FRONT PANEL	
RESET Button	Recessed pushbutton Press to initiate a 'warm restart' causing the processor to reset, but not lose power. A reset does NOT affect the current settings
ID Button	Recessed pushbutton Press to send a notification out on the network to identify the unit (the notification causes a pop-up dialog in N-Able and N-Command) Holding the button for 30 seconds and releasing will cause the device to return to factory configuration.
POWER LED	On solid (green) when operating power is supplied (via PoE or local power supply)
STATUS LED	On flashing (green) when there is software activity
STREAM LED	On (green) when the unit is streaming video

POWER SUPPLY	
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Power Supply, External, Optional	2.0 Amp @ 12 Volts DC; 100-240 Volts AC power supply; optional NMX-ACC-N9312 (FGN9312)
Power over Ethernet (PoE), External, Optional	<p>Can be powered via a PoE+ switch or other equipment with a PoE source. Conforms to IEEE 802.3at Class 3 (802.3at Type 1)</p> <p>NOTE: For the unit to receive Power over Ethernet (PoE), it must be connected to a switch or other equipment that has a PoE PSE (Power Sourcing Equipment) port</p> <p>Warning: Do not run wiring that is connected to a PoE PSE port outside of the building where the PSE resides. It is for intra-building use only</p>

ENVIRONMENTAL	
Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	85 BTU/hr

GENERAL	
Product Dimensions (HWD)	1 1/6" x 7 7/8" x 5" (26.6mm x 200mm x 127mm)
Product Weight	2.16 lbs. (Approx. 0.97kg)
Shipping Weight	2.67 lbs. (Approx. 1.2kg)
Regulatory Compliance	FCC, CE, and UL

