AMX NMX-ENC-N2615-WP

MWC 4K60 4:4:4 Encoder Wallplate (US & EU/UK)
AMX-N26E011 (US)
AMX-N26E011EK (EU/UK)

The AMX NMX-ENC-N2615-WP Encoder Wallplate (US & EU/UK Versions)

Overview

The AMX SVSI NMX-ENC-N2615-WP is a cost-effective, powerfully robust encoder wallplate. It features a high-quality, low-latency 4K60 4:4:4 MWC codec that is ideal for encoding both live video and detailed content in 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. The wallplate includes an HDMI input and a USB-C input which supports both video and USB 2.0 on a single connector.

These Encoder Wallplates are available in two models: NMX-ENC-N2615-WP-NA (US Version) and NMX-ENC-N2615-WP-EK (EU/UK Version). Models include both black and white faceplate inserts to ensure they blend seamlessly within modern decors. The EK model also includes black and white wallplate covers.

Compatible decoders include the NMX-DEC-N2625-WP Decoder Wallplate and the NMX-DEC-N2622S Multi-Codec Decoder.

Features

- High-Quality, Low-Latency 4K60 MWC encoding
- Video Preview viewable from the built-in web interface or from a touch panel
- USB 2.0 Transport
- HDMI input and USB-C input that supports both video and USB 2.0
- 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	HDMI 2.0, USB-C
Formats	HDMI 2.0, HDCP 2.2 content protection support
Progressive Input Resolutions	Supports most common resolutions up to 4096 x 2160 HDMI and DVI (Progressive) • Pixel clock between TBD MHz – TBD MHz • Minimum resolution of 720x480p60 • Maximum horizontal resolution of 4096 or a vertical resolution of 2160 • Common acceptable resolutions include: 720x480p60 – 480p, 720x576@50, 800x600p60, 1024x768p60, 1280x720@60Hz - 720p60, 1600x1200@60Hz, 1920x1080@60Hz - 1080p60, 3840x2160(4:4:4)@60Hz UHD60 aka 4K60, 4096x2160(4:4:4)@60Hz - DCI 4K60
Interlaced Input Resolutions	Supports 1080i60 HDMI and DVI (Interlaced) • 1920x1080@50Hz - 1080i50 • 1920x1080@60Hz - 1080i60 Note: Interlaced resolutions will be de-interlaced if scaled on the decoder; otherwise, the interlaced signal will pass through to the display
Color Space	4:4:4, YUV
LocalPlay/HostPlay	8 playlists
HostPlay	TBD image/list
Note	Jumbo Frames Required
Video Wall Construction	TBD
Network Video Recording	Currently not compatible with the NVR.

AUDIO	
Input Signal Types	Embedded audio on HDMI, USB-C or Analog Stereo (Unbalanced)
Output Signal Types	Ethernet, Embedded audio on HDMI or USB-C
HDMI Audio Formats	8ch PCM
Analog Audio Format	Stereo 2-channel
Analog-To-Digital Conversion	TBD kHz

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 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

BANDWIDTH	
Bandwidth	Approximately 500-700 Mb/s

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

PORTS	
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
AUDIO	3.5mm connector which provides dedicated audio input
HDMI IN	HDMI video input
USB-C	USB-C video input

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
HDCP LED	On (amber) when HDCP is detected
LINK/ACT	Ethernet activity and status LED depicting the status of the ethernet connection.
DISPLAY VIDEO LED	On (green) when there is a connection to a valid USB-C source
HDMI VIDEO LED	On (green) when there is a connection to a valid HDMI source
AUDIO LED	On (green) when the analog audio setting is enabled

POWER SUPPLY	
Power over Ethernet (PoE), External	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) NOTE: In order 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 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

ENVIRONMENTAL	
Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	Up to ~44 BTU/hr.

GENERAL	
Dimensions (LWH)	5.2” x 2.3” x 4.2” (13.2mm x 5.8mm x 10.6mm)
Weight	0.9 lbs (0.4 kg)
Regulatory Compliance	UL, FCC, and CE

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