AMX SVSI NMX-ENC-N2615D-WP

4K60 MWC/Dante AV-A Encoder Wallplate (US & UK/EU)
AMX-N26E013 (US)
AMX-N26E013-EK (EU/UK)

The AMX NMX-ENC-N2615D-WP Encoder Wallplate (US & EU/UK Versions)

Overview

The AMX SVSI NMX-ENC-N2615D-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.

N2600D models support our Virtual Network USB 2.0 Hub technology. These models not only support transport of full-bandwidth USB 2.0 signals, but also enable USB device signals from up to four decoders to be combined and connected to a single USB host on an encoder. A laptop on the meeting room table can now simultaneously connect to multiple remote USB devices such as a camera near the display and an audio DSP in an equipment closet.

Additional features include 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.

The NMX-ENC-N2615D-WP supports Dante AV-A, a standard for AVoIP devices created to allow for the interoperability of multiple devices on the network. With Dante AV-A, the NMX-ENC-N2615D-WP is compatible with Dante Controller, Dante Domain Manager, and Dante Director. All signal routing, configuration, and IT-level management for your audio and video devices can now be managed using the same tools.

These Encoder Wallplates are available in two models: NMX-ENC-N2615D-WP-NA (US Version) and NMX-ENC-N2615D-WP-EK (EU/UK Version). Models include both black and white faceplate inserts and wallplate covers to ensure they blend seamlessly within modern decors.

Features

- Dante AV-A
- High-Quality 4K60 MWC encoding with sub-2ms latency
- USB-C input that supports both video and USB 2.0
- Video Preview viewable from the built-in web interface or a touch panel
- Switchable Dual Inputs (HDMI + USB-C)
- Virtual Network USB 2.0 Hub
- High-security network support and features, including multicast, VLAN tagging, and QoS
- PoE+ powered with low-power mode for energy savings.
- HControl
- Open Direct-Control API

Specifications

VIDEO	
Digital Video Input	HDMI 2.0, USB-C USB-C Cable must support Thunderbolt 3 or DP Alt Mode.
Formats	Dante AV-A, HDMI 2.0, HDCP 2.3 content protection support
HDR	HDR10+, HDR10, HDR
Progressive Input Resolutions	Supports most common resolutions up to 4096 x 2160 See the user manual for a complete list. HDMI and DVI (Progressive) • 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
Note	Jumbo Frames Required
Video Wall Construction	Supported within the N2622, N2625D, or N2625D-EK

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, Dante
HDMI Audio Formats	8ch PCM
Analog Audio Format	Stereo 2-channel
Dante Audio Format	2-Channel
Dante Audio Sample Rate	44.1 kHz, 48 kHz, 88.2 kHz, 96kHz

KEYBOARD AND MOUSE	
Keyboard & Mouse	Connect the decoder to the keyboard and mouse, and an N2600 Series Encoder will be connected 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. Supports up to 4 N2622S or N2625D-WP connected to a single N2612S or N2615D-WP.

LATENCY	
Latency	<2-ms Scaling adds one frame of latency (17ms at 60fps)
Switching	Near Seamless with Last Frame Hold enabled

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 PoE+	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 it 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 4 (802.3at Type 2) 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 Warning: Do not run wiring connected to a PoE+ PSE port outside 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	
Product Dimensions (LWH)	AMX-N26E013: 5.2” x 2.3” x 4.2” (132.08mm x 58.42mm x 106.68mm) AMX-N26E013-EK: 8.3“ x 2“ x 2.8“ (210.82mm x 50.8mm x 71.12mm)
Weight	AMX-N26E013: 0.92 lbs (0.42 kg) AMX-N26E013-EK: 0.77 lbs (0.35 kb)
Shipping Weight	AMX-N26E013: 1.58 lbs (0.72 kg) AMX-N26E013-EK: 1.32 lbs (0.60 kg)
Regulatory Compliance	FCC, CE, KC, and UL

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