Enova® DVX-3266-4K
8x4+2 All-In-One Presentation Switcher
DVX-3266-4K (FG1906-0401)

Overview

The Enova® DVX-3266-4K 8 x 4+2 All-In-One Presentation Switcher is a unified audio, video, and control device that replaces the need for numerous individual components and eliminates the integration and reliability challenges that accompany them. This compact 2U Presentation Switcher features class-leading video quality and support for 4K60 4:4:4 video and HDCP 2.2, automatic binding and private network capabilities to DXLink end-points, a mobile-friendly HTML 5 web interface, Dante audio inputs and outputs, NetLinx NX-Series Integrated Controller, built-in SmartScale® Technology scaler, analog to digital signal converter, twisted pair transmitter, amplifier, and professional grade audio DSP — all in a single chassis.

With AMX-exclusive features, the DVX-3266-HK is a simple to install, flexible solution, perfectly suited for large and complex conference rooms, classrooms and auditoriums, as well as dual room applications where multiple rooms can share a single DVX.

The Enova DVX's all-in-one architecture also delivers the lowest Total Cost of Ownership in the industry, thanks to ease of support, maintenance and configuration, as well as reduced hardware and cabling costs.

Common Applications

The DVX-3266-4K is ideally suited for large and complex conference rooms, classrooms and auditoriums that can benefit from 4K60 4:4:4 resolution. It's four DXLink inputs also make it perfect for dual room applications, where multiple collaboration spaces share a single DVX and/or the AV rack is not near source devices and display.

Features

- **4K60 4:4:4 Support – HDMI 2.0 and HDCP 2.2 Support – HDR – Scaled Outputs** – Supports the highest possible video quality over HDMI and category cable

- **High Dynamic Range (HDR) and Deep Color Support** – Support for HDR10 and 36-bit Deep Color

- **Simple Configuration and Support** – Mobile-friendly HTML5 Web Interface with built-in status and troubleshooting features alleviates the need for proprietary configuration software and internal network allows for automatic configuration of endpoints

- **Dante Audio** – 8 input channels and 8 output channels of IP audio

- **Crown DriveCore Amplifier** – 120W per channel stereo at 4/8 ohms 120W mono at 70/100 Volt

- **USB 2.0** – High-speed USB 2.0 data from devices like web cameras and storage devices are transmitted without the need for separate cables

- **DXLink™ Twisted Pair Inputs and Outputs** – Send and receive audio, video, bi-directional control, USB2.0 and Ethernet to DXLink HDMI Receivers and Transmitters up to 100m away over one twisted pair cable

- **All-In-One Device** – Controller, matrix switcher, video scaler, audio signal processor, amplifier, plus twisted pair distribution - all in a space-saving 2U chassis

- **Simplicity & Reliability** – Replaces the need for numerous individual components and equipment, ensuring high reliability and saving on configuring and programming costs

- **Low Total Cost of Ownership** – With a consistent platform across a variety of sizes, it is easy to standardize on the DVX and reduce costs for hardware, training, support, troubleshooting and sparing

- **Unrivaled Network Security** – With Dual NIC to isolate AMX or third-party AV equipment from the primary network, IPv6 and wired 802.1X for protected network access, and user-defined LDAP login group support, the Enova DVX provides rock-solid security

- **Optimal Video Image Quality Every Time** – Exclusive SmartScale Technology automatically scales the image to the best resolution and video parameters for each display—even for displays of different information— without manual setup, eliminating the need for costly external scalers

- **BSS Audio Processing** – Includes an integrated digital signal processor with advanced capabilities like independent 10-band parametric EQ, independent input gain adjustments and variable compression, allow precision tuning to match unique source and room attributes

- **dbx AFS2** – Advanced Feedback Suppression

- **Audio Breakaway** – Embedded audio from any HDMI or DXLink input can be de-embedded from the video, processed through the DSP, and switched to any analog, HDMI or DXLink output

- **Audio Matrix Switching** – Four independently switched and processed audio paths provide four unique volume, EQ, ducking and mixing configurations for perfectly tuned room audio as well as integration with audio/video conferencing, induction loop systems, voice re-enforcement speakers and audio recording devices

- **Enhanced Microphone Processing** – Independent 3-band parametric EQ, compression, gating, auto-ducking, and limiting on each microphone input ensures crystal clear communication

Specifications

GENERAL	
Dimensions (HWD)	8.8 cm x 44.0 cm x 38.0 cm
Video Inputs	(4) HDMI 4K60, (4) DXLink 4K60
Video Outputs	(4) HDMI 4K60; (2) DXLink 4K60; mirrors associated HDMI output
Resolution Support	480p up to 3840x2160 @ 60Hz 4:4:4 and 4:2:2 • 3840x2160p@50/60 Hz, 4:2:0 • 4096x2160p@50/60 Hz, 4:2:0
Deep Color Support	24-bit, 30-bit, 36-bit
Color Space Support	sRGB, BT.601, BT.709, BT.2020 RGB 4:4:4, YCbCr 4:4:4, 4:2:2 and 4:2:0
HDCP Support	Supports HDCP 1.x and HDCP 2.x for full matrix HDCP support (includes any input to any or all outputs)
Audio Inputs	(6) Analog Mic/Line, (2) Analog Stereo Audio, (8) Dante Channels See Data Sheet for details
Audio Outputs	(1) Amp (8-Ohm and 70/100V), (2) Analog Stereo Audio, (8) Dante Channel See Data Sheet for details
USB Transport	USB HID and USB 2.0 are supported point-to-point to DXLink 4K60 HDMI Transmitters and Receivers
RS-232 Port	(2) 3-position 3.5mm Screw Terminal 2 bi-directional serial ports 300 - 115,200 baud

IR/Serial	(2) 2-position 3.5mm Screw Terminal
	2 IR Transmit / 1-way Serial ports
	Support high-frequency carriers up to 1.142 MHz
	2 IR/Serial data signals can be generated simultaneously
I/O Channels	(1) 4-position 3.5mm Screw Terminal
	2-channel binary I/O port for contact closure with each input being capable of voltage sensing
	+12V DC and GND Included on the connector
Relays	(2) 4-position 3.5 mm Screw Terminal
	(2) single-pole, single-throw relays
	Each relay can switch up to 24 VDC or 28 VAC @ 1A
	Each relay is independently controlled

ENVIRONMENTAL	
Temperature (Operating)	32° to 104° F (0° to 40° C)
Temperature (Storage)	-22° to 158° F (-30° to 70° C)
Humidity (Operating)	5% to 85% RH (non-condensing)
Humidity (Storage)	0% to 90% RH (non-condensing)

SIGNAL TRANSPORT – DXLINK W/HDCP	
Compatible Formats	HDMI Video, Audio, Ethernet, USB (HID), USB (2.0), Power, Serial Control and IR Control
Signal Type Support	DXLink Twisted Pair
DXLink Twisted Pair Power	The DXLink Twisted Pair Inputs and Outputs provide Power over DXLink to Connected DXLink Transmitters and Receivers.

Twisted Pair Cable Type	Shielded Cat6, Cat6A and Cat7
	DXLink twisted pair cable runs for DXLink equipment shall only be run within a common building where a common building is defined as: the walls of the structure(s) are physically connected, and the structure(s) share a single ground reference.
	For more details and helpful cabling information, reference the white paper titled "Cabling for Success with DXLink" available at www.amx.com or contact your AMX representative.
Twisted Pair cable Length	Shielded Cat6A and Cat7 supports up to 328 ft. (100 m) all resolutions.
	Shielded Cat6 supports up to 262 ft (80m).

HDMI	
Compatible Formats	HDMI2.0, HDCP2.2, DVI (DVI requires adapter cable)
Input and Output Signal Type	HDMI
	DVI-D (Single Link with Cable Adapter)
	DisplayPort ++ (Input Only, With HDMI Cable Adapter)
Input and Output Connectors	HDMI Type A Female
HDMI Cable Requirement	HDMI Premium Certified High-Speed Cable, Category 2, Recommended
	HDMI High-Speed Cable, Category 2, Required