



USB-C/HDMI 4x2 Presentation Switcher with Dante

500532



Overview

Introducing the MuxLab USB-C/HDMI 4x2 Presentation Switcher with Dante (Model: 500532): Enhance your audiovisual experiences with the MuxLab USB-C/HDMI 4x2 Presentation Switcher, a cutting-edge solution designed for seamless connectivity and advanced presentation capabilities. This versatile switcher offers a myriad of features to meet your diverse multimedia needs.

The MuxLab USB-C HDMI 4x2 Presentation Switcher with Dante combines innovation with functionality, providing a superior solution for presentations, conferences, and multimedia applications. Elevate your audiovisual experiences with this state-of-the-art presentation switcher.

Applications

- Conference rooms
- Conference centres
- Corporate boardrooms
- Hotels and hospitality rooms
- Education
- Command & control centres

Key Features

- 18Gbps video bandwidth 4x1 switcher
- HDMI 2.0b and HDCP 2.2 compliant
- Supports video resolution up to 4K@60Hz 4:4:4
- Supports HDBaseT 3.0 with PoE
- Supports 4x2 seamless switching
- Dante 2x2 audio embedding input and output
- Provides 5 Multiview display modes
- Local USB 2.0 KVM switching and extending USB 2.0 over HDBT 3.0
- Manual switching or automatic switching
- Flexible control via front panel buttons, IR remote, RS-232, TCP/IP or Web GUI
- Support standard PoE power supply

Specification

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Input Video Resolution	480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@50Hz/60Hz 4:4:4
Output Video Resolution	Auto, 3840x2160p60, 3840x2160p50, 4096x2160p60, 4096x2160p50, 3840x2160p30, 3840x2160p25, 1920x1200p60RB, 1920x1080p60, 1920x1080p50, 1360x768p60, 1280x800p60, 1280x720p60, 1280x720p50, 1024x768p60
Color Space	Input: 8/10/12-bit, 8-bit (4K60Hz 4:4:4) Output: 8-bit
Color Depth	RGB, YCbCr 4 :4 :4/4 :2 :2/4 :2 :0
Audio Formats	LPCM 2.0
Audio Sample Rate	48KHz
Transmission Distance	1080P&4K30 -- 230ft/70m; 4K60-- 131ft/40m
HDR	Input supports HDR, output does not support HDR.
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
TX Analog Audio (Base)	
Input Impedance	10K Ohms
Output Impedance	330 Ohms
Line Input Level (Max)	8.2dBu (2Vrms)@ balanced or unbalanced audio
Line Output Level (Max)	8.2dBu (2Vrms)@ balanced, 2.2dBu (1Vrms)@ unbalanced audio
Frequency Response	(+0.5 dB, -1 dB) 20 Hz to 20 kHz
Audio Output Sync Delay	<1ms
Audio S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Audio THD+N	<0.1% @ 0dBV, 1kHz
RX Analog Audio (HDBaseT)	
Output Impedance	330 Ohms
Line Input Level (Max)	8.2dBu (2Vrms)@ balanced or unbalanced audio
Line Output Level (Max)	8.2dBu (2Vrms)@ balanced, 2.2dBu (1Vrms)@ unbalanced audio
Frequency Response	(+0.5 dB, -1 dB) 20 Hz to 20 kHz
Audio Output Sync Delay	0 to 50ms
Audio S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Audio THD+N	<0.1% @ 0dBV, 1kHz
Dante Audio	
Audio Formant	LPCM2.0
Sample Rate	44.1, 48, 88.2 and 96KHz at 24 bits
Audio Delay	2ms, 3ms, 4ms, 5ms, 10ms
Network Bandwidth	100Mbps

Connection

Transmitter (Switcher)	<p>Inputs: 2 x HDMI INPUT [Type A, 19-pin female] 2 x USB-C [24-pin female] 1 x LINE IN [5pin-3.5mm phoenix connector] 1 x DANTE [RJ45]</p> <p>Outputs: 2 x HDMI OUTPUT [Type A, 19-pin female] 1 x HDBT OUTPUT [RJ45] 1 x LINE OUT [5pin-3.5mm phoenix connector] Control:</p> <p>Controls: 1 x RS-232 [3pin-3.5mm phoenix connector] 1 x LAN [RJ45] 2 x USB HOST [USB Type B] 3 x USB DEVICES [USB Type A] 2 x USB 1.1 KVM [USB Type A] 1 x USB-C DEVICE [USB Type C] 1 x IR IN [3.5mm stereo mini-jack] 1 x IR OUT [3.5mm stereo mini-jack]</p>
HDBaseT receiver	<p>Inputs: 1 x HDMI IN [Type A, 19-pin female] 1 x HDBaseT IN [RJ45]</p> <p>Outputs: 1 x HDMI OUT [Type A, 19-pin female] 1 x LINE OUT [5pin-5mm phoenix connector] Control:</p> <p>Controls: 1 x RS-232 [3pin-3.5mm phoenix connector] 1 x USB HOST [USB Type B] 2 x USB DEVICES [USB Type A] 1 x SERVICE [Micro USB] 1 x IR IN [3.5mm stereo mini-jack] 1 x IR OUT [3.5mm stereo mini-jack]</p>

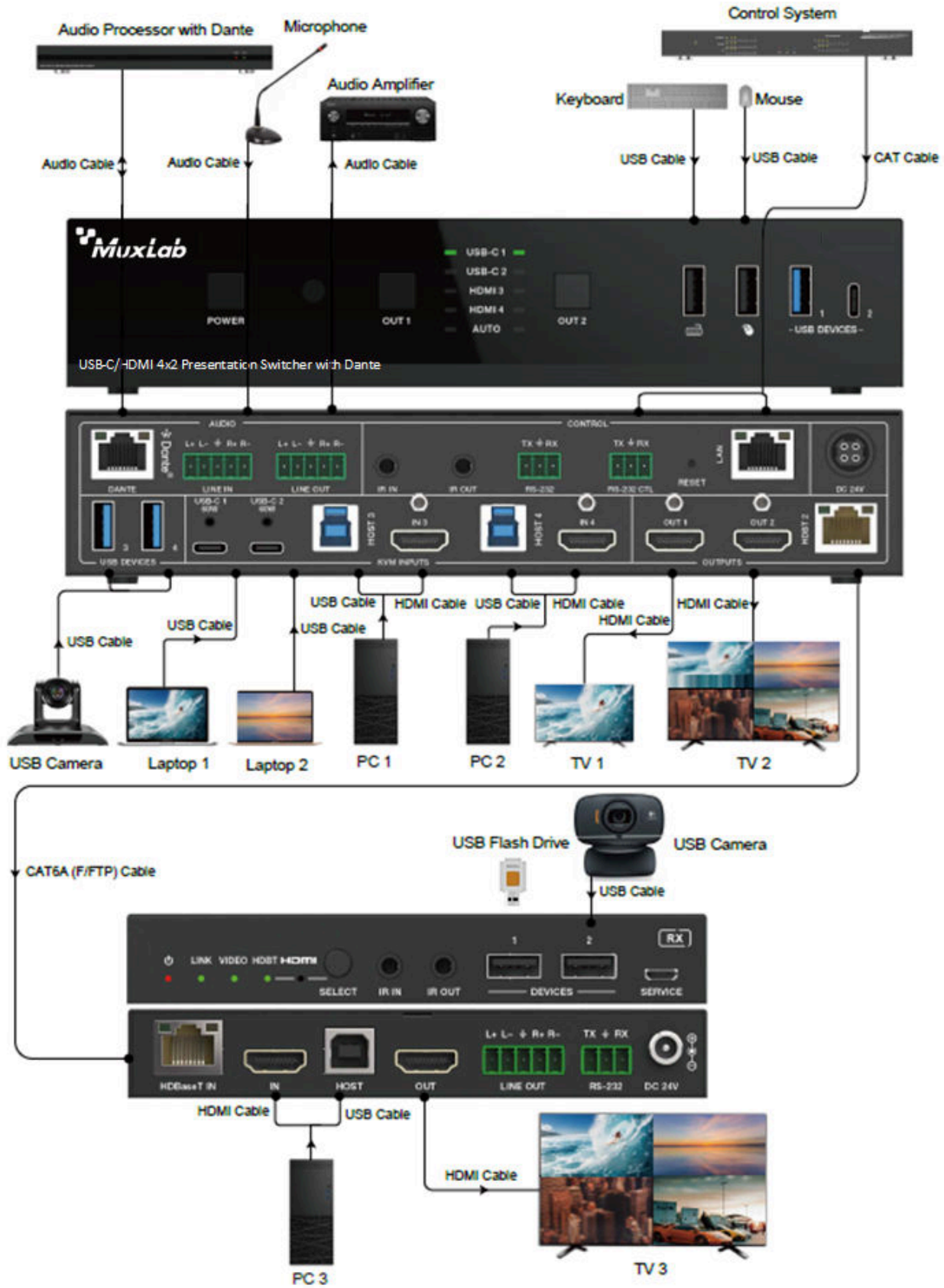
Mechanical

Housing	Metal enclosure with Aluminum front panel
Color	Black
Dimensions (WxDxH)	Transmitter: 220mm[W]×220mm[D]×44mm[H] Receiver: 140mm[W]×105mm[D]×21.5mm [H]
Weight	Transmitter: 1.78Kg; Receiver: 424g
Power Supply	Input: 100VAC - 240VAC 50/60Hz Output: 24VDC/8A
Power Consumption	170W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Generic Specification

Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	500532 USB-C/HDMI 4x2 Presentation Switcher with Dante(UPC:627699005323)

Application Diagram



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