



8x2 HDMI 2.0 Presentation Switcher

The 18Gbps 8x2 seamless UHD presentation switcher offers versatile signal processing for various formats. It handles video resolutions up to 4K@60Hz 4:4:4 and provides scaling capabilities, audio extraction or embedding, with outputs via HDMI and HDBaseT ports. Additionally, it features 2x20W speaker output and balanced stereo audio output, along with support for EDID management.

Feature Highlights

- HDMI 2.0, HDCP 2.2 and DP 1.2 compliant
- Supports 18 Gbps video bandwidth
- Supports video resolution up to 4K@60Hz 4:4:4
- Mirrored output with HDMI and HDBaseT output ports
- The HDBaseT port can extend the transmission distance up to 70 meters(1080P) and 45 meters(4K@60Hz)
- Supports seamless switching
- 8 video inputs: 6 HDMI ports, 1 DP port, 1 VGA port
- 9 audio source selections (LR1 to LR8 and embedded audio) for HDMI/DP input
- 8 Audio source selections (LR1 to LR8) for VGA video input
- Microphone mixing or independent function
- 3 Microphone modes: 48V (PHANTOM POWER) / MIC / LINE
- 2x20W speaker output and balanced audio output
- Speaker and Microphone volume can be controlled by front panel or PC Tool
- Supports front panel, RS-232, TCP/IP (LAN 10M/100M) control
- IR IN/OUT and RS-232 IN/OUT are superimposed on HDBaseT transmission
- Supports EDID management
- Additional IO function (2 outputs, 2 inputs)

Note: When VGA input is active, there is no seamless switching for this source

TECHNICAL

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2
DP Version	DP 1.2
Video Bandwidth	18Gbps

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	430mm (W)×220mm (D)×44mm (H)
Weight	3.2Kg
Power Supply	AC 110 - 240V
Power Consumption	60W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	10%~50% RH (non-condensing)

RS232/ETHERNET CONTROL

Baud rate and Protocol	4 x INPUT [HDMI Type A, 19-pin female]
Ethernet	IE10.0+, HTML5

VIDEO RESOLUTION

Input Video Resolution	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1366x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p, 576p, 720p, 1920x1080i, 1920x1080p, 3840x2160@24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz. Note: This device does not support 4:2:0 color space
Output Video Resolution	Auto, 3840x2160@60Hz, 3840x2160@50Hz, 3840x2160@30Hz, 1920x1080@60Hz, 1920x1080@50Hz, 1280x720@60Hz
EDID Option	Auto, Manual, 3840x2160@60, 3840x2160@30, 1920x1080@60, 1280x720@60, 1920x1200@60
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differential Impedance	100±15ohm
ESD Protection	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

Classic Application Example

