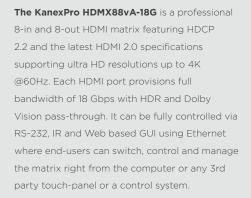


8x8 HDMI 2.0 Matrix Switcher with Audio Out

Connect up to eight HDMI enabled sources to four separate displays with this professional Ultra High Definition video matrixing system featuring the added benefit of extracting analog audio from each output.

MPN: HDMX88A-18G



Industry Standard HDCP 2.2 & 4K/60

HDCP 2.2 authentication is present always on this matrix ensuring proper handshake of the protected content. It also maintains resolutions up to 4K- 4096x2160@24, 30, 50 or 60Hz, 3840x2160@24, 25,30, 50 or 60Hz and 2560x1080@60Hz displaying 21:9 aspect ratios. 1920 x 1200 or full HD 1080p/60 is a standard for all our matrix switchers.

Applications:

Perfect for whole house distribution systems and house of worship centers as well as corporate boardrooms where swift, reliable switching and distribution of both 4K/60 HDMI signals and external audio are critical to meet pixel-by-pixel needs with HDR.



MAXIMUM PERFORMANCE

Built to the HDMI 2.0 performance standards, this professional matrix is capable if the highest resolutions and performance currently supported through HDMI standards. Features like resolutions up to 4K (3840x2160p @60Hz). Video modes like Deep Color, HDR 10+, Dolby Vision, and other high dynamic viewing modes. As well as digital multichannel audio like Dolby Atmos, Dolby TrueHD™, DTS:X™, and DTS: HD Master Audio™

- 1. Residential or Commercial AV Matrix installations: Share up to eight video sources across four different areas or spaces. Allowing for each zone to support its own dedicated audio system, this professional Matrix allows for users to share a single set of sources and share them easily across the different rooms or offices.
- 2. Security Systems: Connect DVR or NVRs and have them distributed across the building or office. The matrix allows for any of the recorders to be shown on only some or all of the connected displays. The matrix system allows for various monitoring options which can be programmed and controlled via RS232 commands.
- 3. Lecture Halls and Ballrooms: Configure and control presentations or videos from speakers or DJ's and distribute them to projectors or displays making for engaging visuals and interactions.
- 4. Retail Spaces and Restaurants: Share multiple sets of signage, menus, or marketing copy and distribute them across the sales floor or merchandizing space.
- 5. Full Matrix Solution: A video matrix is a powerful tool which allows for precise control of video sources and displays. The matrix functions can send any of the sources to one or many of the displays that are connected, in any order with no limitations. Using a matrix cuts down on the number of sources, (media players, servers, DVR's, or set top boxes) and helps distribute them quickly and easily.

FEATURES

- HDMI inputs and outputs support 18Gbps 4K UHD+ with HDR signals
- DVI 1.0 compliant with the use of an HDMI to DVI adapter
- HDCP 1.x and 2.2 compliant
- HDMI inputs and outputs support UHD+ resolutions up to
- 4096x2160@60Hz (4:4:4, 8-bit)
- Supports 16-bit Deep Color up to 1080p60
- Supports pass-through of LPCM (up to 8 channels), bitstream and HD bitstream audio formats
- High-quality DAC (Digital to Analog audio Conversion) with local analog stereo audio breakout for each HDMI output (LPCM 2.0 sources only)
- Supports six internal EDIDs, four external EDIDs copied from connected devices, and four user provided EDIDs
- OSD with user customizable information text
- Controllable via front-panel buttons with LCD, WebGUI, Telnet, RS-232, and IR remote

SPECIFICATIONS

TECHNICAL SPECIFICATIONS

HDMI Bandwidth: 18Gbps

Input Ports: 4 x HDMI (Type-A) Output Ports: 4 x HDMI (Type-A) 4 x Analog Stereo (3.5mm) Control Ports: 1 x RS-232 (DE-9) 1 x Ethernet (RJ-45)

1 x IR Extender (3.5mm)

Service Port: 1 x USB 2.0 (Type A) IR Frequency: 38kHz

Baud Rate: 19200 Power Supply: 24V/2.7A DC

(US/EU standards, CE/FCC/UL certified)

Weight: 2 99kg

482mmx49mmx274mm [All Inclusive]

34kV (Contact Discharge)

Dimensions (WxHxD): 438mmx49mmx269mm [Case Only]

ESD Protection: (HBM) 38kV (Air Discharge)

Chassis Material: Metal (Steel) Chassis Color: Black

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) Power Consumption: 34W

Impedance: 4700

Type: Unhalanced

ANALOG OUTPUT

Max Audio Level: 2Vrms THD+N: < -60dB@0dBFS 1kHz (A-wt)

SNR: > 70dB@0dBFS Frequency Response: < 33dB@20Hz~20kHz

Crosstalk: < -60dB@10kHz

HDMI INPUT / OUTPUT

Max Channels: 8 Channels

Sampling Rate: 32, 44.1, 48, 88.2, 96, 176.4, 192

Supported Formats: Standard & High-Definition

APPLICATION DIAGRAM

