

Video / Audio Switchers

HDMI 4x1™ Switcher, Model HDMI 4x1

Technical Specifications

General

- HDMI 4x1™ Switcher, Model HDMI 4x1:
 - 4-Inputs to 1-Output HDMI Switcher
- Crystal-clear switching of four (4) HDMI Inputs to one (1) HDMI Output
 - HDMI Type A 19-pin connector
 - To support DVI-D Video I/O, use HDMI<>DVI adapter cable(s)
 - Supports HDCP Copy Protection
 - HDMI repeater functionality with hot plug detection
- Switches Video and Audio with individual connectors for:
 - HDMI Video and Audio
 - Toslink Optical Audio
 - Digital PCM Audio
 - Analog stereo Left & Right Audio
- Can also be configured to process and scale any HDMI video input to match the native resolution of your display:
 - Using world-renowned Key Digital® Clear Matrix Pro™ technology
 - A full-function, high-quality Video Processor is included
 - Supports all popular source and display formats and resolutions
- Easy to control and operate:
 - Convenient front-panel display and pushbuttons
 - Easy-to-operate IR Remote Control
 - RS-232

Video & Audio Inputs

- There are four (4) Inputs, on the rear of the product, labeled “1” through “4”
- Select “RGB” or Component (YPbPr) for each Input
- For **each** of the four (4) Inputs, there are the following connectors:
 - HDMI A/V: 1 x HDMI Type A 19-pin connector
 - Supports HDCP Copy Protection
 - To support DVI-D Video, use HDMI<>DVI adapter cable(s)
 - Digital Coaxial PCM Audio: 1 x RCA female
 - Optical Audio: 1 x Toslink
 - Analog stereo Left & Right Audio: RCA female (1 each color-coded Left & Right)

Video & Audio Outputs

- There is one (1) Output, on the rear of the product, with the following connectors:
 - HDMI A/V: 1 x HDMI Type A 19-pin connector
 - Supports HDCP Copy Protection
 - To support DVI-D Video, use HDMI<>DVI adapter cable(s)
 - Digital Coaxial PCM Audio: 1 x RCA female
 - Optical Audio: 1 x Toslink
 - Analog stereo Left & Right Audio: RCA female (1 each color-coded Left & Right)

Video Input Formats Supported

- Supports the following popular Input Formats:
 - 720 x 480i @ 60 Hz
 - 720 x 480p @ 60 Hz
 - 1280 x 720p @ 60 Hz
 - 1920 x 1080i @ 60 Hz
- Accepts and automatically detects 60 Hz and 50 Hz input formats

Video Output Formats Supported

- Supports the following popular Output Formats:
 - 640 x 480p @ 60Hz
 - 720 x 480i @ 60 Hz
 - 720 x 480p @ 60 Hz
 - 1920 x 540 p @ 60 Hz
 - 1280 x 720p @ 60 Hz
 - 1368 x 768p @ 60 Hz
 - 1280 x 768p @ 60 Hz
 - 1400 x 1050p @ 60 Hz
 - 1920 x 1080i @ 60 Hz
 - 1920 x 1080p @ 60 Hz
- The output frame rate will be the same as the input frame rate, and supports 60 Hz and 50 Hz input formats

Video Processing Functions

- Sharpness, Brightness, Contrast
- Saturation, Hue
- H & V Size, Position, Input Offset
- Zoom (Output Aspect Ratio processing), including options to prevent monitor burn-in for Letterbox or Pillarbox images:
 - Full
 - Letterbox, Pillarbox
 - Horizontal Zoom, Vertical Zoom, Horizontal and Vertical Zoom
- Built-in Test patterns help you set-up your video system (all patterns available through the front-panel LCD and pushbuttons, as well as RS-232):
 - White pattern
 - Cross pattern
 - Cross hatch
 - Color bars
 - Gray scale
 - White window
 - Horizontal ramp
 - Wide horizontal ramp
 - Wide vertical ramp

Status and Control

- Store your custom settings for each of the four (4) HDMI Inputs
- Convenient front-panel display and pushbuttons
- Easy-to-operate IR Remote Control
 - Discrete IR commands available
 - Rear-panel remote input
- RS-232:
 - Crestron, CNMSX-PRO, AMX compatible

- Firmware upgradeable, with rear-panel switch to go into "Program Mode"

Connectors

- Each Input and the Output is comprised of the following connectors:
 - HDMI: 1 x HDMI Type A 19-pin connector
 - Digital Coaxial PCM Audio: 1 x RCA female
 - Optical Audio: 1 x Toslink
 - Analog stereo Left & Right Audio: RCA female (1 each color-coded Left & Right)
- RS-232C: D-sub 9-pin

Mechanical

- No fan noise
- Rack mountable: 1U
- Product Size: 17 x 11 x 1.5 inches (excluding ears)
- Product Weight: 8 lbs. (excluding external power supply)
- Enclosure type: Metal
- Input power: External power supply included (6 Volt DC @ 5 Amps, 110-240 VAC, 50-60 Hz)