

4K Ultra HD 600 MHz Matrixes with HDR and Audio De-Embedder

EXT-UHD600A-44

4K Ultra HD 600 MHz 4x4 Matrix with HDR and Audio De-Embedder



- Routes four 4K sources to four 4K displays
- Supports resolutions up to 4K Cinema-DCI (4096 x 2160 up to 60 Hz, 4:4:4), 4K Ultra HD (3860 x 2160 up to 60 Hz, 4:4:4) with HDR, 1080p Full HD, and WUXGA (1920x1200)
- Supports HDCP 2.2 and 1.4
- Supports HDR (High Dynamic Range) 10-bit Deep Color at 4K 60 Hz 4:2:0 and 4K 24 Hz 4:4:4
- Supports Dolby Vision™ HDR
- Built-in Audio De-Embedders break out 2 channel analog, 2 channel PCM, and up to 5.1 channels of Bitstream audio from each HDMI output, allowing the audio content to be sent to external amplifiers and music distribution systems for added impact.
- 4 independent scalers allow upscaling from 1080p to 4K on two outputs and downscaling from 4K to 1080p on the other two, maximizing compatibility in a mixed-resolution display system
- 2 USB power ports for use with sources requiring a USB power supply.
- Long Reach Power (LRP) provides 500 mA at 5V on pin 18 of HDMI outputs 1 and 2. Enables select extender devices to be powered through their HDMI input port
- Supports up to 7.1 channels of LPCM and HBR (High Bit Rate) digital audio including Dolby Atmos®, Dolby® TrueHD, DTS:X™ and DTS-HD Master Audio™
- Gefen Syner-G™ software simplifies initial IP configuration and EDID Management
- EDID Management for rapid integration of source and displays

EXT-UHD600A-88

4K Ultra HD 600 MHz 8x8 Matrix with HDR and Audio De-Embedder



- Routes eight 4K sources to eight 4K displays
- Supports resolutions up to 4K Cinema-DCI (4096 x 2160 up to 60 Hz, 4:4:4), 4K Ultra HD (3860 x 2160 up to 60 Hz, 4:4:4) with HDR, 1080p Full HD, and WUXGA (1920x1200)
- Supports HDCP 2.2 and 1.4
- Supports HDR (High Dynamic Range) 10-bit Deep Color at 4K 60 Hz 4:2:0 and 4K 24 Hz 4:4:4
- Supports Dolby Vision™ HDR
- Built-in Audio De-Embedders break out 2 channel analog, 2 channel PCM, and up to 5.1 channels of Bitstream audio from each HDMI output, allowing the audio content to be sent to external amplifiers and music distribution systems for added impact.
- Supports up to 7.1 channels of LPCM and HBR (High Bit Rate) digital audio including Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
- Easy-to-read, super-bright OLED front panel display indicates routing status and IP settings
- Gefen Syner-G™ software simplifies initial IP configuration and EDID Management
- EDID Management for rapid integration of source and displays

4K Ultra HD Matrixes

EXT-UHD-88

4K Ultra HD 8x8 Matrix for HDMI



- Routes eight 4K Ultra HD sources to eight displays
- Supports resolutions up to 4K Cinema (DCI), 4K Ultra HD, 1080p Full HD and 1920x1200 (WUXGA)
- HDCP 2.2 & HDCP 1.4 compliant
- Supports 12-bit Deep Color (up to 1080p HD)
- 3DTV & Lip Sync pass-through
- Push button controls for Routing and Status
- Advanced EDID Management for rapid integration of sources and displays
- RS-232 Serial interface for remote control using a computer or automation control system
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- IP control via Telnet, UDP, and the built-in web server interface
- IR remote control
- Gefen Syner-G™ software's Discovery and Show-Me features simplify initial IP configuration
- Field-upgradeable firmware via web server interface
- Can be placed on a shelf or mounted in a standard 19-inch wide rack

GEF-UHD-89-HBT2

4K Ultra HD 8x9 Matrix for HDMI



- Routes eight 4K sources to nine displays
- Supports resolutions up to 4K Cinema-DCI, 4K Ultra HD, 1080p Full HD, and 1920x1200 WUXGA
- HDCP 2.2 and 1.4 compliant
- Extends HDMI, Ethernet, RS-232 & 2-way IR up to 330 feet
- 3D pass-through
- Lip Sync pass-through
- Power Over HDBaseT (POH) powers receivers over link cables
- IR from viewing locations to sources can be routed along with or independent from video path
- IR remote control
- Advanced EDID Management for rapid integration of sources and displays
- RS-232 Serial interface for use with an automation control system
- IP control via Telnet, UDP, and the built-in web server interface
- Gefen Syner-G™ software's Discovery and Show-Me features simplify initial IP configuration
- Field-updatable firmware via web server interface
- Can be placed on a shelf or mounted in a standard 19-inch wide rack

ToolBox 4K Ultra HD Matrixes

GTB-HD4K2K-442-BLK

4x2 Matrix for HDMI 4Kx2K



- Routes four Ultra HD sources to two Ultra HD displays
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 compliant
- Supports 12-bit Deep Color
- 3DTV & Lip Sync pass-through
- Push button controls for Routing, FST Modes, Audio, and EDID management
- FST Technology speeds up HDCP authentication
- Advanced EDID Management Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- RS-232 Serial interface for remote control using a computer or automation control system
- IP control via Telnet, UDP, and the built-in web server interface
- IR remote control
- Field-upgradeable firmware via Mini-USB & IP ports
- Locking Power Supply
- Surface-mountable

GTB-HD4K2K-444-BLK

4x4 Matrix for HDMI 4Kx2K



- Routes four Ultra HD sources to four Ultra HD displays
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 compliant
- Supports 12-bit Deep Color (up to 1080 HD)
- 3DTV & Lip Sync pass-through
- Push button controls for Routing, FST Modes, Audio, and EDID management
- FST Technology speeds up HDCP authentication
- IP control via Telnet, UDP, and the built-in web server interface
- Advanced EDID Management Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- RS-232 Serial interface for remote control using a computer or automation control system
- IR remote control
- Field-upgradeable firmware via Mini-USB & IP ports
- Locking Power Supply
- Surface-mountable

GTB-HD4K2K-642-BLK

6x2 Matrix for HDMI 4Kx2K



- Routes six Ultra HD sources to two Ultra HD displays
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 compliant
- Supports 12-bit Deep Color
- 3DTV & Lip Sync pass-through
- Push button controls for Routing, FST Modes, Audio, and EDID management
- FST Technology speeds up HDCP authentication
- IP control via Telnet, UDP, and the built-in web server interface
- Advanced EDID Management Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- RS-232 Serial interface for remote control using a computer or automation control system
- IR remote control
- Field-upgradeable firmware via Mini-USB & IP ports
- Locking Power Supply
- Surface-mountable

GTB-HD4K2K-848-BLK

4K Ultra HD 8x8 Matrix for HDMI



- Routes eight 4K Ultra HD sources to eight displays
- Supports resolutions up to 4K Cinema (DCI), 4K Ultra HD, 1080p Full HD and 1920x1200 (WUXGA)
- HDMI 2.0 & HDCP 1.4 compliant
- Supports 12-bit Deep Color (up to 1080p HD)
- 3DTV & Lip Sync pass-through
- Push button controls for Routing and Status
- Advanced EDID Management
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Field-upgradeable firmware via web server interface
- Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- RS-232 Serial interface for remote control using a computer or automation control system
- IP control via Telnet, UDP, and the built-in web server interface
- IR remote control
- Gefen Syner-G™ software's Discovery and Show-Me features simplify initial IP configuration
- Surface-mountable



ToolBox 4K Ultra HD Splitters

GTB-HD4K2K-142C-BLK

4K Ultra HD 1:2 Splitter for HDMI



- Specifically designed to support 10 layers of splitting/cascading in large video distribution and signage applications, supporting hundreds of displays
- Simultaneously displays any Ultra Hi-Def source on up to two Ultra HD displays
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 Compliant
- Supports 12-bit Deep Color (up to 1080p Full HD)
- 3DTV & Lip Sync pass-through
- FST Technology speeds up HDCP authentication
- Fast and Slow FST Modes
- Advanced EDID Management for rapid integration of source and displays
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Field-upgradeable firmware using Mini-USB port
- Locking Power Supply
- Surface-mountable

GTB-HD4K2K-144C-BLK

4K Ultra HD 1:4 Splitter for HDMI



- Specifically designed to support 10 layers of splitting/cascading in large video distribution and signage applications, supporting hundreds of displays
- Specifically designed to support 10 layers of splitting/cascading in large video distribution and signage applications, supporting hundreds of displays
- Supports resolutions up to 4K DCI (4096 x 2160 at 24 and 30 Hz), 4K Ultra HD (3860 x 2160 at 60 Hz, 4:2:0 color space), 1080p Full HD, and 1920x1200 WUXGA
- Supports 12-bit Deep Color at 1080p
- HDMI 2.0 and HDCP 1.4 compliant
- 3DTV pass-through
- Lip Sync pass-through
- FST Technology speeds up HDCP authentication process
- EDID Management and Audio Mode selectors for rapid integration of source and displays
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Field-upgradeable firmware using Mini-USB port
- Locking Power Supply
- Surface-mountable

GTB-HD4K2K-148C-BLK

4K Ultra HD 1:8 Splitter for HDMI



- Specifically designed to support 10 layers of splitting/cascading in large video distribution and signage applications, supporting hundreds of displays
- Simultaneously displays any Ultra Hi-Def source on up to eight Ultra HD displays
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 Compliant
- Supports 12-bit Deep Color (up to 1080p Full HD)
- 3DTV & Lip Sync pass-through
- FST Technology speeds up HDCP authentication
- Fast and Slow FST Modes
- Advanced EDID Management for rapid integration of source and displays
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Field-upgradeable firmware using Mini-USB port
- Locking Power Supply
- Surface-mountable

ToolBox 4K Ultra HD Switchers

GTB-HD4K2K-441-BLK

4x1 Switcher for HDMI 4Kx2K



- Switches between four Ultra Hi-Def sources to one Ultra HD display
- Supports resolutions up to Ultra HD 4K, 4K Cinema (DCI) and 1080p Full HD
- HDMI 2.0 & HDCP 1.4 Compliant
- Supports 12-bit Deep Color (up to 1080p Full HD)
- 3DTV & Lip Sync pass-through
- Push button control for routing sources to display
- Supports LPCM 7.1, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- RS-232 Serial interface for remote control using a computer or automation control system
- IP control via Telnet, UDP, and the built-in web server interface
- IR remote control
- IR Extender port allows the unit to be mounted in a hidden location
- Field-upgradeable firmware via Mini-USB and IP ports
- Locking Power Supply
- Surface-mountable

4K Ultra HD 600 MHz Splitters with HDR

EXT-UHD600A-12-DS

4K Ultra HD 600 MHz 1:2 Scalerw/ EDID Detective and Audio De-Embedder



- Supports 18.2 Gbps bandwidth and 600 MHz TMDS clock
- Splits a 4K 600 MHz source to two displays, 4K 600 MHz or 1080p
- Maximum Video Resolutions/Timing:
 - Pass-through
 - 4096 x 2160 (Cinema-DCI) up to 60 Hz, up to 4:4:4, 8-bit
 - 3860 x 2160 (4K Ultra HD with HDR) up to 60 Hz, up to 4:4:4, 8-bit

- 1080p up to 60 Hz, up to 4:4:4, up to 12-bit
- 1920 x 1200 (WUXGA) up to 60 Hz
- Scalers operational:
 - 3860 x 2160 up to 60 Hz, up to 4:4:4, 8-bit
 - 1080p up to 60 Hz, up to 4:4:4, 8-bit
- Supported Audio formats:
 - HDMI pass-thru: Up to 8 channels of HBR, Bitstream, & LPCM
 - Analog Out: 2 ch (from PCM)
 - Digital Out: 2 ch PCM & up to 5.1 ch Bitstream
- HDMI Features Supported:
 - HDMI 2.0 (full bandwidth to 18.2 Gbps/600 MHz)
 - HDR-10 (High Dynamic Range) 10-bit color at 4K 60 Hz 4:2:0 and 4K 24 Hz 4:4:4
 - Dolby Vision™ HDR
 - HDCP 2.2 and 1.4
 - 12-bit Deep Color (at 1080p)
 - Uncompressed LPCM digital audio (up to 7.1 channels) pass-through
 - HBR (High Bit Rate) digital audio (up to 7.1 channels), including Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™, pass-through
- 3DTV pass-through
- CEC pass-through
- Lip Sync pass-through
- Supports the use of DVI sources and DVI displays up to 1080p Full HD and WUXGA (1920x1200), with Gefen CAB-DVI2HDMI-LCK DVI-to-HDMI cables (not included)
- Two independent scalers allow upscaling from 1080p to 4K on one of the outputs and downscaling from 4K to 1080p on the other
- Built-in Audio-De-Embedder breaks out digital and analog audio from the HDMI signal for use with outboard amplifiers or added impact
- Built-in Full-Featured 4K 600 MHz Advanced EDID Detective with Gefen Syner-G™ interface
- Field-updatable firmware via Gefen Syner-G™
- Locking power connector
- Surface mountable
- Plug & Play – no configuration or set-up required for most applications
- Compact enclosure is easy to install and can be hidden away

EXT-UHD600-12

Ultra HD 600MHz 1:2 Splitter for HDMI w/HDR



- Simultaneously displays an Ultra Hi-Def source on up to two Ultra HD displays
- Specifically designed to support multiple layers of splitting/cascading in large video distribution & signage applications, supporting hundreds of displays
- Supports resolutions up to 4K DCI-Cinema (4096 x 2160 at 60 Hz, 4:4:4 color space), 4K Ultra HD (3860 x 2160 at 60Hz, 4:4:4 color space), 1080p Full HD, and 1920x1200 WUXGA
- Supports HDR (High Dynamic Range) 10-bit Deep Color at 4K 4:4:4
- Supports Dolby Vision™ HDR
- Supports 12-bit Deep Color at 1080p 4:4:4
- 3DTV pass-through
- Lip Sync pass-through
- EDID Management and Audio Mode selectors for rapid integration of source and displays
- Supports LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Advanced EDID Management via USB, using the Gefen Syner-G™ software
- HDCP 2.2 and 1.4 compliant

EXT-UHD600-14

Ultra HD 600MHz 1:4 Splitter for HDMI w/HDR



- Simultaneously displays an Ultra Hi-Def source on up to four Ultra HD displays
- Specifically designed to support multiple layers of splitting/cascading in large video distribution & signage applications, supporting hundreds of displays
- Supports resolutions up to 4K DCI-Cinema (4096 x 2160 at 60 Hz, 4:4:4 color space), 4K Ultra HD (3860 x 2160 at 60Hz, 4:4:4 color space), 1080p Full HD, and 1920x1200 WUXGA
- Supports HDR (High Dynamic Range) 10-bit Deep Color at 4K 4:4:4
- Supports Dolby Vision™ HDR
- Supports 12-bit Deep Color at 1080p 4:4:4
- 3DTV pass-through
- Lip Sync pass-through
- EDID Management and Audio Mode selectors for rapid integration of source and displays
- Supports LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Advanced EDID Management via USB, using the Gefen Syner-G™ software
- HDCP 2.2 and 1.4 compliant

EXT-UHD600-18

Ultra HD 600MHz 1:8 Splitter for HDMI w/HDR



- Simultaneously displays an Ultra Hi-Def source on up to eight Ultra HD displays
- Specifically designed to support multiple layers of splitting/cascading in large video distribution & signage applications, supporting hundreds of displays
- Supports resolutions up to 4K DCI-Cinema (4096 x 2160 at 60 Hz, 4:4:4 color space), 4K Ultra HD (3860 x 2160 at 60Hz, 4:4:4 color space), 1080p Full HD, and 1920x1200 WUXGA
- Supports HDR (High Dynamic Range) 10-bit Deep Color at 4K 4:4:4
- Supports Dolby Vision™ HDR
- Supports 12-bit Deep Color at 1080p 4:4:4
- 3DTV pass-through
- Lip Sync pass-through
- EDID Management and Audio Mode selectors for rapid integration of source and displays
- Supports LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
- Supports the use of DVI sources and DVI displays with HDMI-to-DVI adapters (not included)
- Advanced EDID Management via USB, using the Gefen Syner-G™ software
- HDCP 2.2 and 1.4 compliant