Gefen

Gefen DS Digital Signage | Gefen TOOLBOX | Gefen PRO | Gefen tv

Stretch It. Switch It. Split It.
Gefen's Got It.™

2010 Catalog Update
Home Theater • Computer Audio Video • Pro A/V • Cables • Digital Signage

Gefen DS Digital Signage

Gefen TOOLBOX

GefenPRO

Gefentv

Welcome to our new product update. Gefen manufactures products for video distribution and conversion. This includes splitters, switchers, extenders, converters, scalers and more. Inside this catalog you will find our newest products utilizing the latest technologies available, such as HDMI 1.4, DVI, DisplayPort, 3G-SDI and HDMI conversion. Our products range from wall-mount HDMI splitters, to rackmount 3G-SDI matrixes. We welcome you to take a peak into the nuts and bolts of Gefen's new product lines.

EXTENSION

DISTRIBUTION

SCALERS

SWITCHING

CONVERSION

CABLING

www.gefen.com   (800)545-6900

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

1080P PROGRESSIVE

HI-SPEED CERTIFIED USB

FireWire

dvi

HDTV

DisplayPort

SimplayHD

DOLBY

CE

RoHS

c(UL)us

Pb

FC

Gefen FST FAST SWITCHING TECHNOLOGY

HDbaseT

WiHD

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing in the United States and other countries.
Dolby, Pro Logic and the double-D symbol are registered trademarks of Dolby Laboratories.

Gefen

(Gefen)

Gefen TOOLBOX

New Concept, New Design, Same Gefen Quality

Typically, home theater components have one HDMI output. This can be anything from a camcorder, Blu-ray player, game console, or even a computer (simple adapter required). Splitters allow you to distribute an HDMI signal to other HDMI supporting displays. The configurations are only limited by your imagination. Our solid metal units mount flush with the wall and contain both locking HDMI and power connectors to ensure secure connections. Units are easy to control via an IR remote, RS-232 and front panel buttons. GefenToolBox is also a great item for installers to carry around in their bag of tricks, pleasing customers with unique products that leave a clean and unobtrusive installation.

Extender for HDMI 3DTV
Extend HDMI 1.4a up to 330 feet (100m) over one CAT5 cable

FEATURES:
- Maximum Resolution: 1080p60
- Extends 3D TV up to 330 feet from the source
- Optional IR Blaster allows IR remote control of source devices from remote viewing location
- Supports high bit-rate audio formats (Dolby TrueHD / DTS-HD Master Audio)
- Fully HDMI and HDCP compliant (when both power supplies are used)
- Locking power connectors on Sender/Receiver units and power supplies for secure connections

GTB-HDMI-3DTV   * Also Available in Black

1:4 Splitter for HDMI 1.3
Distribute an HDMI signal to four displays

FEATURES:
- Simultaneously displays a single HDMI source (up to v.1.3) on up to 4 HDMI compliant displays without signal loss
- Maintains high resolution video up to 1080p
- EDID Detection/Adjustment for rapid integration of source and displays
- Supports LPCM, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), Dolby TrueHD, and DTS-HD Master Audio formats
- Supports DVI source and displays using HDMI-to-DVI cable or adapter
- HDMI and HDCP compliant
- Wall mountable
- Locking 5V power supply

* Also Available in Black

GTB-MHDMI1.3-144

1:8 Splitter for HDMI 1.3
Distribute an HDMI signal to eight displays
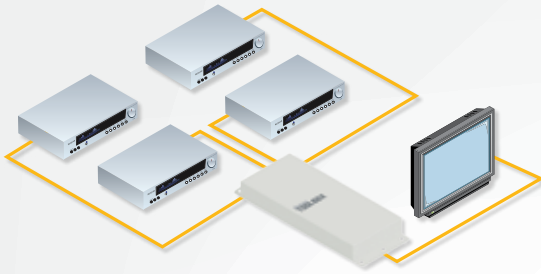
FEATURES:
- Simultaneously displays a single HDMI source (up to v.1.3) on up to 8 HDMI compliant displays without signal loss
- Maintains high resolution video up to 1080p
- Supports LPCM, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), Dolby TrueHD, and DTS-HD Master Audio formats
- Supports DVI source and displays using HDMI-to-DVI cable or adapter
- EDID Detection/Adjustment for rapid integration of source and displays
- HDMI and HDCP compliant
- Wall mountable
- Locking 5V power supply

* Also Available in Black

GTB-MHDMI1.3-148

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4x1 Switcher for HDMI 1.3

Switch four HiDef sources using HDMI

FEATURES:
- Switch easily between four sources using HDMI 1.3
- Maintains high resolution video up to 1080p
- Supports LPCM, Dolby Digital (AC-3), Dolby Digital Plus (EAC-3), Dolby TrueHD, and DTS-HD Master Audio formats
- Supports DVI source and displays using HDMI-to-DVI cable or adapter
- RS-232 serial remote control
- HDMI and HDCP pass-through
- Wall mountable
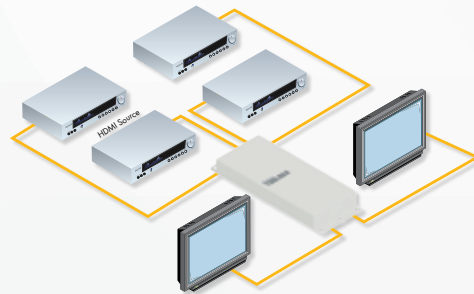- IR remote
- Locking 5V Power supply

* Also Available in White

Not all HDTV's were created equal. Our Gefen ToolBox Switcher allows you to properly connect up to four separate devices using HDMI (up to v. 1.3) for viewing on your display. You can use this to add additional HDMI inputs to your current TV. Enjoy many options to switch between inputs; Onboard control, RS-232, or the included IR remote.

GTB-MHDMI1.3-441-BLK

The majority of HiDef consumer devices only have one output with several inputs. So what if you want to route multiple sources to multiple outputs. That's exactly what a matrix unit does. Our metal units mount flush with the wall and contain both locking HDMI and power connectors. This is an ideal product to manage two displays. Simply select which of the four inputs you would like to see on either of your displays.

HDMI Source

4x2 Matrix for HDMI 1.3
Matrix four sources to any two displays

FEATURES:
- Matrix easily between four Hi-Def sources using HDMI (up to v. 1.3) to either two displays.
- Maintains high resolution video up to 1080p
- EDID Management for rapid integration of source and displays
- Supports LPCM, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), Dolby TrueHD, and DTS-HD Master Audio formats
- CEC Control Pass Through / LIp Sync
- Supports DVI source and displays using HDMI-to-DVI cable or adapter
- Front panel push button control
- RS-232 serial control
- IR remote
- HDMI and HDCP pass-through
- Wall mountable
- Locking 5V power supply

GTB-MHDMI1.3-442

* Also Available in Black

4x4 Matrix for HDMI 1.3
Matrix four sources to any four displays

FEATURES:
- Switch easily between four HiDef sources using HDMI (up to v. 1.3) to any four displays
- Maintains high resolution video up to 1080p
- EDID Management for rapid integration of source and displays
- Supports LPCM, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), Dolby TrueHD, and DTS-HD Master Audio formats
- CEC Control Pass Through / Lyp Sync
- Supports DVI source and DVI displays using HDMI-to-DVI converter cable or adapter
- Front panel push button control
- RS-232 serial control
- IR remote
- HDMI and HDCP pass-through
- Wall mountable
- Locking 5V power supply

GTB-MHDMI1.3-444

* Also Available in Black

Gefen**tv**®

GefenTV is a very unique line of products, developed for the consumer and prosumer markets, providing limitless possibilities generated from our current knowledge and expertise in video distribution. We're bringing the professional tools into your home theater, to create a mesmerizing audio visual experience.

Auto Volume Stabilizer

Enjoy consistent volume at all times

FEATURES:
- Dolby Volume certified
- Prevents fluctuations in audio volume using Dolby Volume technology
- Accepts and outputs 2-channel analog audio
- Accepts and outputs TOSLINK and S/PDIF digital audio
- Boosts low and high-frequency content dynamically
- Volume Leveler: Enables consistent volume levels at all times between TV channels and between program materials
- Volume Modeler: Delivers the perception of a full-range audio experience at any volume level
- Bypass Mode permits audio to pass through unchanged

GTV-VOLCONT

Auto Volume Stabilizer with Digital Audio Decoder

Enjoy consistent volume at all times with digital audio decoding

FEATURES:
- Dolby Volume and Dolby Digital certified
- Accepts Dolby Digital 5.1 and converts it to 2-channel PCM
- Prevents fluctuations in audio volume using Dolby Volume technology
- Accepts and outputs 2-channel analog audio
- Accepts and outputs TOSLINK and S/PDIF digital audio
- Boosts low and high-frequency content dynamically
- Volume Leveler: Enables consistent volume levels at all times between TV channels and between program materials
- Volume Modeler: Delivers the perception of a full-range audio experience at any volume level
- Bypass Mode permits audio to pass through unchanged

GTV-VOLCONT-D

4

1:8 Multi-Format Video Distribution over Ethernet

Distribution of Multi-Format Video and Audio over CAT-5 to up to Eight Receivers
or Ethernet up to 256 receivers

FEATURES:
- Wired extension of VGA, component, composite, S-Video, and audio up to 330 feet
- Maximum Input Resolutions: 1080p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (S-Video, Composite)
- Maximum Output Resolutions: 720p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (S-Video, Composite)
- Supports Ethernet 10/100 Base-T
- Switch between two A/V outputs on the receiver unit
- Switch between four A/V sources from the sender unit
- Plug-and-Play installation with no special configuration required
- L/R Analog Audio supported

GTV-MFDA-148

Audio Decoder

Decode both digital and analog audio from HDMI and S/PDIF including surround sound

FEATURES:
- Extracts encoded digital audio from HDMI or S/PDIF sources
- Outputs digital audio on S/PDIF and TOSLINK connectors for connection to external amplification equipment
- Splits any HDMI input source to two mirrored HDMI outputs with HDCP pass-through
- Easy to install and simple to operate with bright LCD display
- IR remote control make Decoder operation friendly
- Six analog audio RCA jacks on the rear of the Decoder for Surround Sound audio
- Two additional Bi-Amplified RCA-style L/R analog audio outputs (Front Right, Front Left)
- Elegant design with heat dissipation and quiet operation

GTV-AUDDEC

Digital Audio Translator

Convert coaxial and optical digital audio formats

FEATURES:
- Compact size and easy to install
- Supports amplification of audio signal and extends distance for both output formats
- Supports two-way conversion: Coaxial to TOSLINK, or TOSLINK to Coaxial
- Supports input audio signal from two channels up to 5.1 channels.
- Select one input and send audio to both coax and TOSLINK outputs simultaneously

GTV-DIGAUDT-141

Home Theater Audio Processor

Split HDMI audio into 5.1 channel surround sound with amplification

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

FEATURES:
- Separates digital audio from the HDMI or S/PDIF inputs and decodes up to 5.1 channels of digital audio
- Splits one HDMI input source into 2 mirrored HDMI outputs
- Supported audio formats: Dolby Digital, Dolby Pro Logic, and Dolby Pro Logic II decoding
- Test tone for system diagnostics
- Outputs amplified analog audio at 25 Watts per channel RMS on external speaker terminals
- Outputs line-level analog audio up to 5.1 channels using RCA connectors
- LCD status display for full selection menu
- IR Remote
- RS-232 control
- Field-upgradable firmware
- External / Internal EDID management
- Compact form factor
- This product is HDMI and HDCP-compliant

DOLBY
DIGITAL
PRO LOGIC II

GTV-HT-AUDPROC

Conference Room Speakers (5 pack)

GTV-CR-5SP

High Quality 5-channel speaker system for small rooms

FEATURES:
- 5-speaker surround audio from carefully designed and tuned speakers
- Pristine sound from a compact design
- Designed to fill small rooms with high quality sound
- Speaker baffle naturally tilts upward on flat surfaces

HDMI to HDMI Plus Audio Converter

Connect HDMI input to HDMI Output with Multi-channel audio breakout

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

FEATURES:
- Supports resolutions up to 1080p Full HD
- Switch between Auto mode and Manual mode
- HDMI 1.3 supported features:
    Deep Color, Dolby TrueHD, DTS-HD Master Audio (through the HDMI connector only), Lip Sync, CEC pass-through
- Bitstream Audio via Optical TOSLINK and LPCM 7.1 via 8 RCA connectors
- Locking power supply

GTV-HDMI-2-HDMIAUD

Wireless For HDMI 60 GHz

Extend HDMI at 1080p up to 30 Feet (10m) away

FEATURES:
- Wireless extension of 1080p Full HD audio/video up to 10 meters (30 feet) indoors
- Supports up to 8 channel, 24-bit 192KHz LPCM audio
- Upgradable firmware via built-in RS-232 serial port
- Indicator LEDs provide operational status
- Powerful internal 36-antenna array
- HDMI and HDCP compliant

GTV-WIRELESSHD

Wireless For HDMI 5 GHz Radio Technology

Extend HDMI at 1080p up to 100 feet (30m) away

FEATURES:
- Fully HDMI and HDCP compliant (Unicast mode only)
- PCM Supported when using HDMI @ 32, 44.1 and 48 KHz
- Real-time compressed audio is embedded within the HDMI output stream
- Dolby™ 5.1 Surround Sound is embedded within the HDMI output stream
- Multiple remote extension locations (up to 10 maximum) when using Broadcast Mode
- CEC protocol pass-through is supported

GTV-WHDMI

Wireless VGA Extenders

Extend VGA resolutions up to 1280x1024, and component to 1080i available in both Long Range (LR) and Short Range (SR) versions

LONG RANGE MODEL FEATURES:
- Wireless extension of VGA and component/audio up to 100 feet (33m)
- Maximum Input Resolutions: 1080p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (SVideo, Composite)
- Maximum Output Resolutions: 720p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (SVideo, Composite)
- Switch between four audio/video sources from the sender's location
- Plug-and-Play installation with no special configuration required
- Four wireless channels to minimize electromagnetic interference
- L/R Analog Audio supported

GTV-WVGA-LR

SHORT RANGE MODEL FEATURES:
- Wireless extension of VGA and component/audio up to 30 feet (10m)
- Maximum Input Resolutions: 1080p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (SVideo, Composite)
- Maximum Output Resolutions: 720p@60Hz (Y/Pb/Pr), 1280x1024@60Hz (VGA), 480i@60Hz, 576i@50Hz (SVideo, Composite)
- Switch to four audio/video sources at the display
- Plug-and-Play installation with no special configuration required
- Four wireless channels for to minimize electromagnetic interference
- L/R Analog Audio supported

GTV-WVGA-SR

Introducing

Gefen PRO

Matrix Systems
8x8 DVI DL Matrix
8x8 DVI KVM Matrix
10x4 DVI DL Matrix
16x16 DVI Matrix
16x16 3G-SDI Matrix

Extenders
3G-SDI Fiber Optic Extender
Extender for HDMI ELR with POL
Extender for HDMI ELR with POL 2

Converters
DVI to HD-SDI Pro Scaler

Gefen performance, quality, and reliability
comes to the professional equipment arena

Internal Power Supplies
Rack Mount Enclosures
Plug and Play Installation
24/7 Technical Support

GefenPRO

Gefen performance, quality, and reliability comes to the professional equipment arena, bringing new features and enabling possibilities far beyond the competition's offerings. When anything less than perfect is not an option, choose GefenPRO hardware.

16x16 DVI Matrix
Matrix 16 DVI sources to any 16 monitors

FEATURES:
- Increases productivity by providing access to 16 displays from any 16 computers
- IP control
- Advanced EDID management
- Maintains clear, vivid resolutions up to 1080p, 1920x1200 and 2K
- RS-232 serial control
- Supports DDWG standards for DVI monitors
- IR remote control included
- Front panel control buttons for local switching
- Built-in power supply
- Output masking command
- Standby mode
- Status LCD (shows routing status)

GEF-DVI-16416

10x4 DVI Dual Link Matrix
Matrix 10 DVI sources to any 4 dual link monitors

GEF-DVI-1044DL

FEATURES:
- Increase productivity by providing access from any four displays from any ten DVI sources
- Maintains clear, vivid resolutions; 1080p, 2K, up to 3840x2400
- Advanced EDID management
- RS-232 serial control
- Supports DDWG standards for DVI monitors
- IR remote control included
- Front panel control buttons for local switching
- Built-in power supply
- Output masking command
- Standby mode

8x8 DVI Dual Link Matrix
Matrix 8 DVI sources to any 8 dual link monitors

GEF-DVI-848DL

FEATURES:
- Increase productivity by providing access from any eight displays from any eight DVI sources
- Maintains clear, vivid resolutions; 1080p, 2K, up to 3840x2400
- Advanced EDID management
- RS-232 serial control
- Supports DDWG standards for DVI monitors
- IR remote control included
- Front panel control buttons for local switching
- Built-in power supply
- Output masking command
- Standby mode

GefenPRO

8x8 DVI KVM Dual Link Matrix
Matrix eight computers to any eight workstations

FEATURES:
- Increases productivity
- Supports resolutions up to 3840x2400
- Supports either PC or Mac USB keyboards/mice
- Supports included audio in the matrixing
- IR remote (included)
- RS-232 serial control
- Advanced EDID management
- Supports DDWG standards for DVI monitors
- Built-in power supply
- Standby mode
- Status LCD (shows routing status)
- Firmware upgrade via RS-232

GEF-DVIKVM-848DL

16x16 3G-SDI Matrix
Matrix 16 3G-SDI sources to 16 locations

FEATURES:
- Increases productivity
- External genlock connection (Ref In)
- Loop connector for display
- Supports resolutions up to 1080p, 1920x1200 and 2K
- Front panel control buttons for local switching
- IP Control
- Serial RS-232 interface for remote control via a computer or control automation devices
- IR remote control
- Dual internal power supply for 24/7 operation
- Status LCD (shows routing status)
- Supports all SDI type formats
- Backward-compatible with SDI and HD-SDI signals
- Firmware upgrade via RS-232

GEF-3GSDI-16416

3G-SDI Extension over Fiber Optic
Extend 3G-SDI up to 12 miles (20km) over fiber

FEATURES:
- Supports SMPTE-424M, SMPTE-292M HD, or SMPTE-259M 3G / HD / SDI
- Transports Multi-rate HD-SDI Digital Video over 1 Fiber
- 5V Locking Power Supply
- BNC input connector
- Robust metal enclosure for harsh environments
- Automatic Input Equalization
- Automatic Output Reclocking
- Can run ST fiber cable in single and multi-mode types
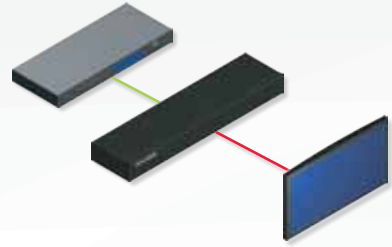- Extends up to 12 miles (20Km) including clock recovery

GEF-3GSDI-FO-141

3G-SDI Conversion

No one understands SDI based video conversion better than Gefen. Our products are tailor-made to professionals like yourself and backed up by our renowned technical support staff, standing by to ensure that your project is a total success.
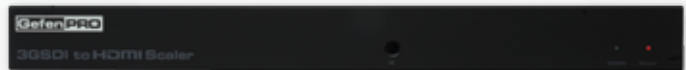
3G-SDI to HDMI Scaler
Convert from 3G-SDI sources to HDMI with scaling and separate digital audio outputs

FEATURES:
- Maximum image output resolution supported: 2048x1080p (2K)
- Built-in on-screen menu system (OSD) operated by IR remote control (included)
- Pattern generation of color bars, and coarse hatch patterns
- Deep Color support at 10 bits when using YCbCr 4:4:4 or RGB 4:4:4: output color spaces
- Four aspect ratio modes (Full, Panoramic, Pillar Box, Extract/crop)
- Detail enhancement, noise reduction, motion threshold and gamma settings
- Film Mode (produces a progressively scanned output image from an interlaced scanned input image accounting for cadence (i.e. 3:2 / 2:2 pull-down))
- Configuration of clean aperture size and position
- SDI audio channel selection for audio output
- Custom frame rate and/or video timings on output
- Adjustable input picture size, timings and H/V position
- Color Space and Deep Color output controls
- Brightness, Contrast, and Color Range controls
- Monitor Supported Mode disables incompatible menu choices
- French or English support for the on-screen menu (OSD)
- User-selectable IR Channel for Remote and Scaler
- Blackburst and tri-level Genlock Reference Signal Input
- Digital audio output (S/PDIF)
- RS-232 remote control (serial cable)
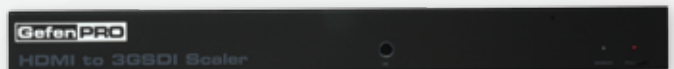- USB upgradeable firmware

GEF-3GSDI-2-HDS

HDMI to 3G-SDI Scaler
Advanced scaling options for conversion of an HDMI 1.3 compatible device to a 3G-SDI device

FEATURES:
- 10-bit color depth for greater precision and dynamic range
- Proprietary 10-bit motion adaptive video de-interlacing with edge interpolation
- Output is mirrored onto two identical SDI outputs (BNC female)
- Max. active image size of 2048 samples x 2048 lines PBP processing
- Friendly OSD (On-Screen Menu Display) guides the user through operations
- Pattern mode w/color bars & coarse hatch patterns at 720p/60
- USB port for firmware upgrades
- RS-232 port for remote control over DB9 serial cable
- IR remote control included
- Latency: 1 frame (when in Genlock mode)
- Advanced noise reduction and detail enhancement
- French/English menu set
- 2D scaling engine

GEF-HD-2-3GSDIS

DVI to HD-SDI Pro Scaler

Our most advanced scaling option for conversion of a DVI device to an HD-SDI output including two DVI to HD-SDI scaling engines side by side

FEATURES:

- 10-bit resolution for greater precision and dynamic range
- Proprietary 10-bit motion adaptive video de-interlacing with edge interpolation for HD / SD formats
- Advanced noise reduction and detail enhancement
- Max. active image size of 2048 samples x 2048 lines PBP processing for various combinations of video and graphics with alpha blending
- Fully integrated sprite based multi-plane OSD controller.
- Frame rate conversion to / from any refresh rate
- Pattern mode w/ color bars & cross hatch patterns
- Color correction
- Noise Reduction
- Detail Enhancement
- Brightness Adjustment
- Gamma Selection
- Aspect Ratio Select
- Custom Timing output mode
- French/English Menu Set
- RS-232 upgradable firmware
- RS-232 and/or IR Control
- Genlock capable
- 5V locking power supply

GEF-DVI-2-HDSDIPRO

Extender for HDMI ELR

Extend HDMI up to 330 ft. (100m) over a single CAT-5 cable

FEATURES:

- Extend HDMI at 1080p Deep Color 12 bit up to 330 ft. (100m) over a single CAT-5 cable
- Supports HDMI 1.3 features with 3DTV
- Power over Link: Using PoE technology, the Receiver unit is powered over the CAT-5 cable and offers one +5V 2A output to power additional Gefen devices
- Features an IR Back Channel to control the Hi Def source from the remote location
- RS-232 is extended to the remote location to control the HDTV display or device at the source location
- Extends Ethernet 100BaseT to the remote location
- Internal power supply at the Sender unit
- Receiver is wall mountable using a supplied mounting plate

GEF-HDCAT5-ELR-POL

Extender For HDMI ELR 2R (Receiver Only)

Extend HDMI up to 330 ft. (100m) over a single CAT-5 cable
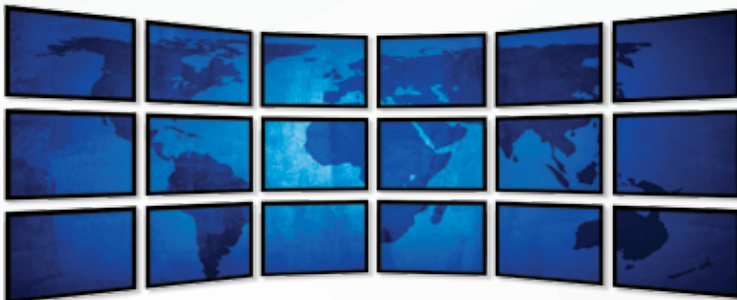
FEATURES:

- Extend HDMI at 1080p Deep Color 12 bit up to 330 ft. (100m) over a single CAT-5 cable
- Supports HDMI 1.3 features with 3DTV
- HDMI input on the receiver allows connection of an additional Hi Def source at the remote location
- Auto-switching: The receiver unit auto-switches between the active Hi Def source connected to the sender or the receiver unit
- Manual switching of the Hi Def sources can be toggled using an IR remote, local push button, or RS-232
- Power over Link: Using PoE technology, the Receiver unit is powered over the CAT-5 cable and offers one +5V 2A output to power additional Gefen devices
- Extends RS-232 and Ethernet 100BaseT to the remote location
- Internal power supply at the Sender unit
- Receiver is wall mountable using a supplied mounting plate

GEF-HDCAT5-ELR-POL2

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DIGITAL SIGNAGE REVOLUTION

In an era of cost cutting, more and more companies are taking matters into their own hands, finding new ways to employ effective marketing techniques on a smaller budget. If you haven't discovered one of the best new trends in market-

ing, digital signage, now's the time. With the abundance of affordable large LCD displays and the release of our specialty digital signage hardware, the average business can role out an effective and personalized digital signage display. How about a four screen array on top of your building overlooking the city, where you can control and update the content remotely over the internet? Sound Nice? Read on.

Perhaps you would like to set up a customized digital signage solution with RFID technology, when customers bring a specific product, for example sunglasses, up to a display, a short video is played just for that particular pair. With Gefen products we can turn your own ingenuity into an effective digital signage solution, limited only by your imagination.

DSC Digital Signage Creator

A revolutionary device that not only contains software to merge your personal content such as Adobe® Flash®, Microsoft® Powerpoint®, Apple® Quicktime® into powerful digital signage presentations, but also allows you to schedule and play back your creations as you choose. With features like RFID, touchscreen support, and self updating RSS capabilities, this device is truly one of a kind. Simply connect to your display via HDMI or VGA, then connect the Ethernet port.

DIGITAL SIGNAGE

FEATURES:
- Comprehensive software suite which includes content creation and management features
- Built-in layout templates that quickly allows users to get a project started
- Selectable output resolutions supporting 4x3 and 16x9, 16x10 computer and HDTV to 720p
- Supports both horizontal and vertical display types
- Direct iCal support for scheduling
- Multiple content publishing options (local and remote)
- Built-in HTTP web server for management from any browser
- Natively supports multiple web streaming formats including RSS and ASX
- Serial RS-232 port for two way control of external devices, including interactive systems
- Compact form-factor for easy placement
- Internal storage: 1.5 GB solid state
- Expandable storage capacity via USB 2.0 port. (Supporting USB flash drive or HDD)
- Two Channel L/R Audio output

EXT-DSC

- Only 2W of power making this a "Green" energy saving product
- Locking 5V power supply

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

HD DSP HiDef Digital Signage Player

1080p playback with IP control and scheduling options

FEATURES:

- Selectable output resolutions up to 1080p
- Portrait and Landscape displays supported
- Easy to use software suite which includes content creation and management features
- Individual content playback can have multiple time, day, and month settings
- Video codecs supported: MPEG1/2, DivX, Xvid, H.264 encoding MPEG4 Full HD, WMV9 (1080p)
- Audio codecs supported: MP3, LPCM
- Image formats: JPG (2732x1536)
- ARM7 200 MHz Processor with 128MB RAM
- IR remote control included
- Integrated USB port for firmware updates and live ingestion
- Remote upload via integrated software suite
- Only 3W of power making this a "Green" energy saving product
- Cool and quiet operation
- Locking 12V power supply

EXT-HD-DSP

VWC Video Wall Controller

Easily turn four displays into a 2x2 video wall for digital signage applications

FEATURES:

- Split and scale a single DVI source up to four displays at once
- Easy-to-navigate OSD menu system
- Adjustable border control feature
- Resolutions Supported: 1920x1200 / 1080p
- Fanless design for whisper-quiet operation
- Pair of rack mounting ears included
- IR remote control included
- RS-232 serial control
- Locking 12V power supply

EXT-DVI-VWC-242

DVI | HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Audio / Video Scaler Pro
Advanced scaling and switching of a variety of
formats including HDMI, DVI, VGA,
component and composite

Audio/Video Scaler Pro

EXT-GSCALER-PRON

FEATURES:

- Both digital and analog inputs are format converted and pixel re-scaled to match the native resolution of your display
- DVI/HDCP/HDMI compliant input: Operates at bandwidths up to 165Mhz (Up to 1920x1200 WUXGA resolution)
- Supports Dolby Digital, DTS-HD Master and Dolby TrueHD
- Supports digital HD output up to 1080p
- Supports 1080p/24 true movie pass-thru
- Integrated 8-bit triple-ADC/PLL
- Dual high quality scaling engines
- Dual 3D motion video source adaptive deinterlacers with smooth low angle edge.
- Auto 3:2 pull-down and 2:2 pull-down detection & recovery
- High performance frame rate conversion engine
- Proprietary Advanced Color Engine Technology for brilliant and fresh color, intensified contrast and details, vivid skin tones, sharp edges, and accurate and independent color control

- Option to select audio input from HDMI or TOSLINK/SPDIF audio source
- 3D noise reduction (Composite and S-Video inputs only)
- Operates through an on-screen display (OSD) menu controlled via included infrared remote control
- Digital Audio Delay to match audio/video timing
- Less then one frame delay for smooth video when gaming
- 19-inch Rack Ear Kit included for mounting in an equipment rack
- Aspect Ratio Control
- RS-232 serial control

CAT5 4000 Extender for DVI/VGA over CAT5
Extend three DVI / VGA sources to four displays

DVI
digital visual interface

CAT5 4000 R
DVI VGA Audio RS232
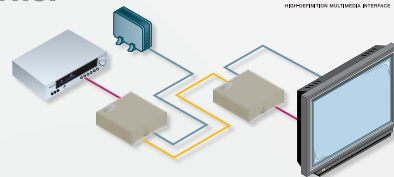
CAT5 4000 S
DVI VGA Audio RS232

FEATURES:

- Extend any DVI sources to 150 ft (50m)
- Extend any VGA source to 300 ft (90m)
- Distributes the first set of DVI/VGA sources to two displays with audio
- Distributes the second and third DVI/VGA sources to one display for each.
- Supports resolutions up to 1080p, 1920x1200
- Rack Mountable (includes rack ears)
- Locking 5V power supply

EXT-CAT5-4000

ELR Extender for HDMI 1.3 over CAT5 with Ethernet
Extra long range extender for HDMI (up to v. 1.3),
IR, and Ethernet over just one CAT-5 cable

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

EXT-HDMI1.3-CAT5-ELR

FEATURES:

- Extends HDMI 1.3 at 1080p and IR up to 330 ft (100m)
- Built-in IR Blaster allows IR remote control of source devices from remote viewing location
- Supports resolutions up to 1080p and 1920x1200
- Supports high bit-rate audio formats (Dolby TrueHD / DTS Master Audio)
- Fully HDMI and HDCP compliant (when both power supplies are used)
- Up to four built-in EDIDs
- Ethernet extended over the same CAT-5 cable
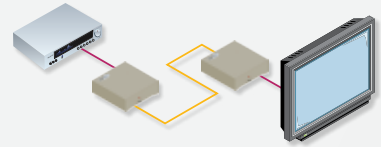- Locking 5V power supply

Gefen ®

ELR Extender for DVI and RS-232

Extend DVI and RS-232 over one CAT5 cable 330 Feet (100m)

FEATURES:
- Extends DVI and RS-232 up to 330 ft. (100m) on a single CAT-5 cable
- Supports resolutions up to 1920x1200
- Compact form factor allows discrete installation and mounting of the Sender and Receiver units
- Locking power connectors for secure connections

EXT-DVI-CAT5-ELR

1CAT6 Extender for HDMI 1.3 over CAT6

Extend HDMI over two CAT6 cables up to 150 Feet (50m)

FEATURES:
- Flexible extension of high-bandwidth HDMI 1.3 using two CAT-6a cables
- Audio and video transmitted digitally for zero signal loss
- Single Link Range: 1080p, 12-bit color depth, 1920x1200
- Compliant with HDMI 1.3, HDMI 1.2, HDCP 1.1 and DVI 1.1 standards
- Supports Deep Color to 12-bit
- Supports digital audio (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio)
- Equalizes HDMI signal and re-transmits it with optimal quality
- Improved compensation for cable skew

EXT-HDMI1.3-1CAT6

1CAT6 Extender for DVI over CAT6

Send DVI video at 1920x1200 up to 200 feet (60m) away over a single CAT6 cable

FEATURES:
- Flexible extension of single-link DVI
- Max. Video Resolution: 1920x1200@60 Hz
- Compliant with all of the DVI 1.1 standard and all true DVI-Compliant peripherals
- Equalizes the video signal and retransmits it in optimal quality regardless of incoming signal quality
- Eliminates computer noise in the viewing environment
- Improved compensation for cable skew

EXT-DVI-1CAT6

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Extender for HDMI 1.3 over One Fiber Optic Cable with IR and RS-232

Extend HDMI (up to 1.3) 1000 Feet (330m) over one fiber optic cable

HDMI

FEATURES:
- Immune to electromagnetic interference (EMI)
- Supports all HDMI 1.3 features at all resolutions
- Up to 1000 ft (330m) extension distance
- Supports video resolutions up to 1080p, 2K, and 1920x1200
- Uses widely available single-strand multi-mode fiber optic cable
- Extend IR back channel and RS-232 along with HDMI one cable
- HDCP Compliant
- Locking 5V power supply

EXT-HDMI1.3-1F0

DVI KVM USB Extenders - Extends up to 200 Feet (60m)

CERTIFIED **USB** HI-SPEED   dvi

Why go through the hassle of using a generic KVM that doesn't support everything you need? When you get a Gefen KVM you get the reliablility from our years of experience included in every product.

CAT5 1600HD
DVI KVM USB Extension up to 200 Feet (60m)

FEATURES:
- Extends any DVI compliant device up to 200 ft (60m) from the computer at 1920x1200
- Supports DDWG standard for DVI compliant monitors
- Extend USB 2.0 devices up to 300 ft (100m) from the computer
- DVI is transmitted with zero signal loss over one CAT-6a cable
- Supports HDMI with resolutions up to 1080p and 2K
- Rack Mountable (includes rack ears)

EXT-CAT5-1600HD

CAT5 5600HD
Two DVI KVM USB Extensions up to 200 Feet (60m)

CERTIFIED **USB** HI-SPEED   dvi

FEATURES:
- Extends two DVI compliant device up to 200 ft (60m) from the computer supporting 1920x1200 resolution
- Extend USB 2.0 devices up to 300 ft (100m) from the computer
- Uses CAT-5e cable for USB extension
- Video is transmitted digitally for zero signal loss
- Supports HDMI with resolutions up to 1080p and 2K
- Supports DDWG standard for DVI compliant monitors
- Rack Mountable (includes rack ears)
- HDCP compliant
- Locking 5V power supply

EXT-CAT5-5600HD

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New Gefen Products - Extension

CAT5 1600A
Extend VGA to 1,000 feet (300m) and USB 2.0 to 330 feet (100m) over two CAT5 cables

FEATURES:
- Extends any VGA display up to 1000 feet (330 meters)
- Maintains 1920 x 1200 resolution video
- Extends USB 1.1 and USB 2.0-compliant peripheral devices up to 330 feet (100m)
- L/R Audio is extended 1000 feet for multimedia applications
- Local monitor output on the Sender unit
- Uses two CAT-5e cables
- Brightness, focus and RGB skew compensation adjustments
- Standby mode for Energy Star power conservation
- Mirrored VGA outputs on the Receiver unit
- Rack mountable

EXT-CAT5-1600A

Extension Products for any 4x4 or 8x8 Matrix for HDMI.
Extend any HDMI Display is Extended up to 200 Feet (60m) over one CAT6 cable

4x CAT6 Extender for HDMI
EXT-HDMI1.3-CAT6-4X

8x CAT6 Extender for HDMI
EXT-HDMI1.3-CAT6-8X

FEATURES:
- Maintains 1920 x 1200, 1080p, and 2K resolution video
- Single Link Range: 1080p, 12-bit color depth, 1920x1200 video up to 200 ft (60m) over one CAT-6a cable
- Supports digital video formats in Deep Color at up to 12bits/color with Enable/Disable option
- Flexible extension of high-bandwidth HDMI 1.3 over a single CAT-6a cable
- HPD/DDC/COM/IR Blaster reception over the same single CAT-6a cable
- Audio and video are transmitted digitally over one CAT-6a cable for zero signal loss
- Supports lossless compressed digital audio (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio)
- Eliminates equipment noise in the viewing environment
- Improved compensation for cable skew
- Remembers last routing state at next power-up
- IP control
- DDC pass through
- IR remote (included)
- Serial RS-232 remote port
- Rack mounting ears included
- HDMI and HDCP compliant
- IR signal extension
- Rack Mountable (includes rack ears)
- Locking 5V power supply

USB 400 FO
Fiber Optic Long Range USB 2.0 Extension up to 1640 Feet (500m)

EXT-USB400FON

FEATURES:
- Extreme USB technology extends the range of USB 2.0 devices up to 1640 ft (500m) using fiber-optic cables
- Receiver unit is also a USB 2.0 four-port hub
- Supports USB 1.1 and USB 2.0
- Provides support for both low-speed and high-speed USB devices
- Number of devices can be expanded using standard USB hubs
- Supports USB using all operating systems including Windows®, Mac OS®, and Linux
- Supports other USB peripherals and are used in devices such as PlayStation® and Wii®.
- A very secure method of USB control in areas where environmental conditions prohibit access by people
- Fiber optic cable is immune to over-voltage and electromagnetic interference
- Supports High Speed devices up to 480mb/s

Wireless RS-232 Extender

Wireless RS-232 Extension up to 100 Feet (30m)

FEATURES:
- Extends any RS-232 compliant device up to 100 ft (30m)
- Supports two baud rates: 19200 and 9600
- No cables are required for extension
- Perfect for digital signage applications
- Quick and easy setup
- "One to Many" feature allows up to 64 receivers
- Locking 5V power supply

EXT-WRS232

8x8 Crosspoint Matrix for HDMI 1.3

Matrix any HiDef source to eight HDTV displays and one-to-one and one-to-many combination

FEATURES:
- Distributes any of the eight inputs to any or any combination of the eight HDMI™ output displays
- Maintains high resolution video - beautiful, sharp HDTV resolutions up to1080p, 2K, and computer resolutions up to 1920 x 1200 are easily achieved
- Serial RS232 port for remote control
- IR remote control (included)
- Set of Rack Ears included
- HDMI and HDCP compliant

EXT-HDMI1.3-848CP

Large scale video distribution networks can be simplified with Gefen components

Mini DisplayPort to USB Combo Cable

Extend both USB 2.0 and Mini DisplayPort to remotely operate your Apple® computer. Also you can send your local display to a remote DisplayPort output device. Mini DisplayPort is a miniaturized version of DisplayPort, the newest digital display interface standard from the Video Electronics Standards Association (VESA). Major-brand computers are now being manufactured with a Mini DisplayPort output connector.

6 ft Mini DisplayPort to USB Combo Cable..... CAB-MDPUSB-06MF
10 ft DisplayPort Extreme Extension Cable...... CAB-MDPUSB-10MF
15 ft DisplayPort Extreme Extension Cable...... CAB-MDPUSB-15MF

CAB-MDPUSB

Mini DisplayPort to DisplayPort cable

Gefen's Mini DisplayPort-to-DisplayPort Cable is the perfect solution for interfacing the new MacBook family of products with any display or projector that uses the full-sized DisplayPort connector. Gefen Mini DisplayPort to DisplayPort Cables support all computer video resolutions. These Cables support 36-bits of color depth with a 120 Hz video refresh rate for the best possible color rendition and smooth, flicker-free video playback. Data transfer rates of up to 10.2 GB/second are supported. Sturdy ABS plastic overmolds and plated metal connectors insure reliable connections and years of trouble-free life.

6 ft Mini DisplayPort to USB Combo Cable...... CAB-MDP2DP-06MM
10 ft Mini DisplayPort to USB Combo Cable.... CAB-MDP2DP-10MM
15 ft Mini DisplayPort to USB Combo Cable.... CAB-MDP2DP-15MM

CAB-MDP-2-DP

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Mini DisplayPort to DisplayPort Female

ADA-MDP-2-DPF

Mini DisplayPort to DVI Adapter

ADA-MDP-2-DVI

Mini DisplayPort to HDMI Female

ADA-MDP-2-HDMIF

DisplayPort **Mate Adapter**

Female to Female coupler for DisplayPort cables

The Gefen DisplayPort Mate Adapter is a cable coupler solution that allows two separate DisplayPort cables to be connected together without losing the audio/video signal integrity. Increase the range of extension for a DisplayPort monitor, or place a computer away from a DisplayPort monitor at a comfortable and convenient distance.

FEATURES:
- Acts as a cable coupler, allowing an increased extension of DisplayPort's range
- DisplayPort Connector Inputs/Outputs (2): 20-pin female

ADA-DP-MATE

DisplayPort **Super Booster**

Extension to 100 Feet (30m)

DisplayPort is a new computer video interface intended to replace the older, more cumbersome VGA and DVI latching video connections. It features easy to use plug-and-play cables. With DisplayPort you can transfer very high amounts of audio/visual content such as graphics generated on large computer displays at high refresh rates. DisplayPort can also carry up to 8 channels of high quality digital audio.

DisplayPort's low-profile connectors are used to save space in laptops, projectors, and computer graphics cards. Resolutions from 640x480 to 3840x2400 can be supported, making DisplayPort ideal for presentations and advanced studio graphics as well.

EXT-DPSB

50 ft DisplayPort Super Booster Cable.............. EXT-DPSB-50
75 ft DisplayPort Super Booster Cable.............. EXT-DPSB-75
100 ft DisplayPort Super Booster Cable............ EXT-DPSB-100

FEATURES:
- Copper cable-based cable solution with built-in integrated active DisplayPort Super Booster
- DisplayPort format carries both Audio and Video in one cable
- Compact and flat connector is easy to grip and secure
- Supports video resolutions up to 3840x2400 with multichannel audio
- Environmentally safe materials used in construction
- Supports a variety of cable lengths

DVI to Mini DisplayPort Converter

The DVI to Mini DisplayPort Converter enables computers with a single-link digital DVI-D interface to utilize display devices that have the Mini DisplayPort interface.

FEATURES:
- Converts DVI to DisplayPort using the Mini DisplayPort connector interface
- Supports video at 1920x1200 resolution
- True pixel-to-pixel signal conversion without scaling
- Built-in EDID support
- Durable converter casing

EXT-DVI-2-MDP

2x1 DisplayPort KVM Switch

Switching Between two computers, to one KVM (keyboard, video and mouse) output supporting a DisplayPort connection with Audio and other USB 2.0 Peripherals options

EXT-DPKVM-241

FEATURES:
- Switches two DisplayPort equipped computers to one display with audio and USB peripherals
- Switches up to 3840x2400 resolution
- Supports RGB and YCbCr color spaces
- Rack mountable
- Save space on your desktop

2x2 DisplayPort KVM Switch

Switching Between two computers each using two DisplayPort graphics ports (for extended desktop), to one KVM (keyboard, video and mouse) output supporting two displays using DisplayPort connection with Audio and other USB 2.0 Peripherals options

FEATURES:
- Enables switching of 2 DisplayPort computers with USB 2.0 at a single workstation with keyboard, video and mouse
- Allows Extended Desktop Setup using computers with dual Displayport outputs
- Maintains resolutions up to 3840x2400
- Switching controllable via IR remote, local push buttons, or RS-232
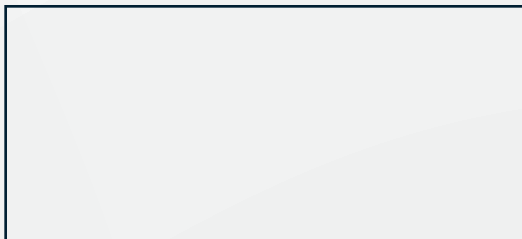- PC and MAC compatible

EXT-DPKVM-422