

## Gefen EXT-TV-MFS TV Multi Format Switcher

**Switch and view Component, S-Video/Composite Video, VGA and HDMI**The rack-mountable TV Multi Format Switcher allows you to view a wide variety of analog and digital SD and HD video sources with audio at resolutions up to 1080p -- all on one HDMI-compliant display. Anything from computers, set-top boxes, satellite boxes, security cameras, Blu-ray and DVD players to the next generation of hi-def gaming consoles (including the Xbox 360 and PS3) can share a single HDMI-compliant display. Superior A/V signal quality is insured by the 3D comb filter and 3D noise reduction circuitry. The audio delay feature and de-interlacing feature for 480i sources improves Standard-Definition console gaming.

The TV Multi Format Switcher supports 2 Component, 2 Composite, 2 S-Video, and 1 VGA source -- each with L/R analog audio in up to 2 channels. 2 HDMI sources are also supported with embedded digital audio at up to 7.1 channels. (The number of audio channels present in the HDMI output signal will depend on what kind of audio is input). Any A/V source can be selected for viewing at any time using the included IR remote or the front-panel selector buttons. **How It Works**A/V sources connect to the TV Multi Format Switcher on its inputs. An HDMI-compliant display is connected to the HDMI output. The 5V DC power supply is connected to the TV Multi Format Switcher. The currently selected video source will appear on the output display in vibrant color.

**Note:** Only A/V source switching (not scaling) is performed with this product. For additional scaling functions, any of our versatile scalers can be easily added at the HDMI output of this unit, such as our GefenTV 1080P HDMI Scaler (GTV-HDMI-1080PS, shown at left).

### HDMI 1.3 Features Supported:

- 225 MHz (up to 12 bit YUV 444 @ 1080p, 24/60Hz)
- Deep Color (XV Color) at 12-bit resolution
- Dolby TrueHD & DTS Master Audio
- Lip Sync & Deinterlacing

### Supported video input and output resolutions (VGA input does not support interlaced video signals):

640x480@60-85Hz  
720x480i@60Hz  
720x480@60Hz  
720x576@50Hz  
720x576i@50Hz  
800x600@56-85Hz  
1024x768@60-85Hz  
1280x720@50/60Hz  
1280x1024@60Hz  
1600x1200@60Hz  
1920x1080i@60Hz  
1920x1080@24/50/60Hz

Note: The TV Multi Format Switcher does not contain a scaler. Therefore, when selecting the VGA input source you may encounter slight shifts of the output image. Please consult your graphics card and/or display documentation for options that will allow adjusting of the image position.

### Features:

- Multi Format Switcher allows many A/V sources to be switched to one HDTV display
- A/V sources include (2) Composite, (2) S-video, (2) Component, (1) VGA and (2) HDMI
- Selectable de-interlacing of 480i/576i sources to 480p/576p
- Supports HDTV resolutions up to 1080p@60fps
- All inputs are format converted and output through a single HDMI output
- Audio delay feature allows delay of 150ms on all analog audio inputs
- 3D noise reduction (DNR) and 3D comb filter for cleaner A/V signals
- Switching can be initiated by discrete front panel buttons or the included IR remote control
- Automated or remote switching is also possible by sending control signals to the integrated RS-232 serial communications port with a computer or control automation device
- HDMI 1.3 compliant with deep color video up to 10bits (1080p@24Hz - 60Hz)
- HDMI 1.3 digital audio supported (Dolby TrueHD, DTS-HD Master Audio, Lip Sync, De-Interlacing)
- Rack-mountable (hardware kit included)
- HDCP compliant

### Specifications:

- Digital maximum pixel clock: 225MHz
- Analog Video Bandwidth: 350 Mhz
- Input DDC Signal: 5 Volts p-p (TTL)

- Maximum Resolution: 1080p/1920 x 1200/60Hz
- HDMI Input Connector: (2) Type A 19 Pin female
- HDMI Output Connector: (1) Type A 19 Pin female
- Component Input Connector: (2) YPbPr (3 RCA)
- Composite Input Connector: (2) CVBS (1 RCA)
- VGA Input Connector: (1) HD-15 female VGA
- S-video Input connector: (1) 4 pin mini-DIN
- Analog Audio Input Connector: (2) pair of L+R RCA type, (1) 3.5mm stereo mini-jack
- Rack Size: 1U (rack ears included)
- Power Supply: 5V DC / 2.6 Amps each
- Power Consumption: 13 Watts (max)
- Dimensions: 17.3" x 1.8" x 6.3" x D
- Shipping Weight: 8 lbs

**Package Includes:**

- (1) Multi Format Switcher
- (1) 6-foot HDMI Cable M-M
- (1) IR Remote control
- (1) 5V DC Power Supply
- (1) User's Manual
- (1) Set of Rack Ears