

DVI/VGA QUAD SCREEN MULTIVIEWER

Display video from four computers simultaneously on a single LCD/plasma monitor



SPLITMUX-DVI-4 (Front & Back)

Features & Applications

The SPLITMUX® DVI/VGA Quad Screen Multiviewer allows you to simultaneously display video from four different computers on a single monitor. Additionally, the SPLITMUX can switch one of the four attached computers to a shared keyboard and mouse for operation.

- Quad, Picture in Picture, Full Screen, Dual, and Fade Through Black display modes.
- Independent video in to video out resolution.
- Supports up to 1600x1200 VGA video resolution and 1900x1200 DVI video resolution.
- Accepts analog and digital video signals simultaneously.
- Connect analog and digital devices to the splitter, and display images on a digital or analog monitor.
- Supports digital DVI and analog VGA.
- Equipped with On Screen Display (OSD).
- Cascade SPLITMUX Quad Screen Splitters to display video from up to 16 video sources on one screen.
- Screen protection feature hides "no signal" notifications after 10 seconds to prevent image burn-in.
- Touch Screen support — operate connected computers via USB touch screen monitor.
- Front-panel push buttons and hotkeys for channel selection.
- LED indicators on switch show which port is active.
- Compliant with USB 2.0 (high-speed and low/full speed) standards.
- Supports USB or legacy PS/2 computers.
- Supports digital DVI devices, such as DVD players, satellite receivers and HDTV tuners.
- Boot PCs, SUNs and MACs simultaneously.
- USB SUN start-up keys are supported.
- Supports MAC soft (keyboard) power-on.
- Connect BNC/RCA composite video devices, such as a security camera, using NTI's BNCSV-VGA-CNVTR BNC to VGA converter
- Supports KVM over IP extenders to control the Quad Screen Splitter remotely in quad mode or PiP mode.

Specifications

Hosts

- Female DVI-I connectors.
- Female USB Type B connectors.
- Female 6-pin miniDIN connectors.
- Supports USB and PS/2 computers.
- Multiplatform support: Windows 2000/XP/Vista/7, Windows Server 2000/2003/2008, Solaris, Linux, FreeBSD, and MAC OS 9/10.
- Supports digital DVI devices, such as DVD players, satellite receivers and HDTV tuners.
- Any VGA computer can be connected by using a DVI-I to VGA cable (included).

Monitor

- Supports crisp and clear VGA video resolution up to 1600x1200 and DVI video resolution up to 1900x1200.
- Female DVI-I connector.
- A VGA monitor can be connected by using a DVI-I to VGA cable (included).
- Support for touch screens with the elo AccuTouch 2116 Controller or the TShare Octopus Controller.

Power

- 110 or 220 VAC at 50 or 60 Hz via IEC connector.
- Power consumption: 40W

Devices

- Female USB Type A connectors.
- Provides support for high-speed (480 Mbps), full-speed (12 Mbps) or low-speed (1.5 Mbps) USB devices.
- Compatible with most USB keyboards and mice.
- Keyboard and mouse are hot-pluggable.
- Supports keyboard layouts in multiple languages: English, German, French, Italian, and Spanish.
- Connect legacy PS/2 devices by using a USB to PS/2 converter (included).

Dimensions

- WxDxH (in): 17.3x9.5x1.75
- Rackmount kit included.

MTBF

- 320,000 hrs.

Environmental

- Operating temperature: 41°F to 113°F (5°C to 45°C)
- Storage temperature: 14°F to 140°F (-10°C to 60°C)
- Operating and Storage Relative Humidity: 5 to 85% non-condensing RH.

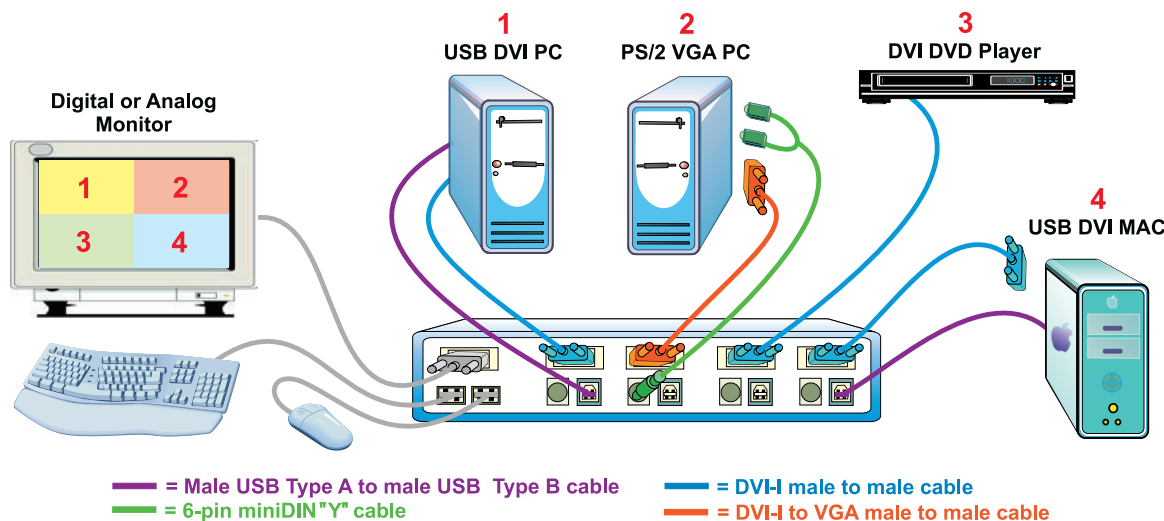
Regulatory Approvals

- CE, FCC, RoHS



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Display Modes

Quad Mode

- In quad mode, the screen is split into four fields of equal size each displaying the entire contents of four different video sources.

Full Screen Mode

- In full screen mode, one of the four video sources is displayed in full screen size and maximum resolution.

Picture in Picture (PIP) Mode

- In PIP mode, the full screen display of one of the four video sources is accompanied by one or three small images (thumbnails) of the three other video sources on the right hand margin of the screen allowing simultaneous monitoring.
- Size, position and selection of the thumbnails are customizable.

Dual Mode

- In dual mode, the left halves of the full screen images from two video sources are displayed side by side at full size.

Fade Through Black

- When switching channels or display modes, the previous image fades out to black, and the next image fades in from black.
- Customizable with five speed settings, and can be enabled or disabled by the user.

Built-In Control

Front Panel Interface

- Use front panel buttons to locally change ports or to select a display mode.
- LEDs indicate currently selected port and display mode.

Keyboard/Mouse

- Use hotkey commands or hotmouse commands to select display mode and to select ports.

On Screen Display

- Select display modes and computers with On Screen Display (OSD).
- Use the front panel buttons or your keyboard to operate the OSD.
- OSD controls for hotkeys, OSD position, quad mode, PIP mode, brightness, contrast, phase, Horz- and Vert-center alignment adjustment.

RS232

- Control the unit with XML-based protocol via RS232 port.

Cables

- Four 6.5-foot 6-pin miniDIN Y-cables included.
- Four 6.5-foot USB male Type A to male Type B cables included.
- Two 6.5-foot DVI-I male to male cables included.
- Two 6.5-foot DVI-I to VGA male to male cables included.
- USB to PS/2 converter included.
- Serial update cable and adapter included.

BNC + S-Video to VGA Converter



- Use to connect BNC/RCA composite video devices, such as security cameras, to the SPLITMUX-DVI-4
- Output Resolution: 800x600@60Hz, 800x600@75Hz, 1024x768@60Hz
- Video Inputs: one female BNC, one female S-Video, and one female VGA
 - Includes a male BNC to female RCA adapter for connecting RCA composite video devices.
- Video Output: one female VGA
- Supports NTSC/PAL



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