Low-Cost HDMI Quad Screen Splitter/Multiviewer
SPLITMUX®

Display real-time 1080p video from four HDMI/DVI sources simultaneously on a single display.

- Quad, Dual, Picture in Picture, and Full Screen display modes.
- Supports HDTV resolutions to 1080p:
- HDMI features supported:
  - 10-, 12-, and 16-bit xvYCC, RGB, and YCbCr.
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS, LPCM 7.1, and LPCM 2.
  - Bandwidth up to 340 MHz (8 Gbps)
  - Lip Sync
- HDCP compliant.
- Seamlessly scan between up to four sources at set intervals.
- Fluid, real-time video performance with 60 frames per second (fps) in all four quadrants.
- Switch audio independently of video from connected HDMI sources (e.g. source 1 and source 2 video are active while only source 3 audio is active).
- Any DVI source can be connected by using the DVI-HD-xx-MM cable (not included).
- Control the multiviewer through front panel buttons, IR remote or RS232
- Built-in EDID table

SPLITMUX-HD-4LC (Front & Back)

- **HDMI & DVI**
- **Resolutions up to 1080p**
- **Quad, Dual, Picture in Picture & Full Screen modes**

The SPLITMUX® Low-Cost HDMI Quad Screen Splitter/Multiviewer allows you to simultaneously display real-time HDMI video from four different sources on a single monitor. It is capable of displaying the video sources in quad, dual, PiP or full screen mode.

Specifications

Video Input
- Four female HDMI connectors
- Input resolutions: 480p, 576i, 720p, 1080i, 1080p.
- Supports digital HDMI devices such as DVD/Blu-Ray players, satellite receivers and HDTV tuners.
- A DVI source can be connected by using the DVI-HD-xx-MM cable (not included).
- Supports HDCP 1.2

Video Output
- One female HDMI connector.
- Output resolutions: 720p, 1080p.
- Supports HDCP 1.2

Power
- Input: 100 to 240 VAC at 50 to 60 Hz via AC adapter. (US AC adapter included.)
  - Optional universal power plug adapters available (not included).
- Output: 12 VDC, 1A
- Power consumption: 7W.

Dimensions
- WxDxH (in): 9.96x5.66x1.57 (253x144x40 mm)

Regulatory Approvals
- CE, RoHS
- TAA compliant

Environmental
- Operating temperature: 14 to 158°F (-10 to 70°C).
- Storage temperature: -4 to 185°F (-20 to -85°C).
- Operating and storage relative humidity: 95% non-condensing RH.

Cables
- Use HD-xx-MM HDMI cables to connect to an HDMI source or display up to 100 feet away from the multiviewer.
  - Video Input: Supports HDMI cables up to 75ft
  - Video Output: Supports HDMI cables up to 100ft
- Use DVI-HD-xx-MM cables to connect a DVI or HDMI source to the multiviewer.
- Cables not included.

Warranty
- Two years

Package Includes
- One HDMI multiviewer
- One 12V, 1A power supply
- One IR remote
- Wall mount screws
- User manual

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Low-Cost HDMI Quad Screen Splitter/Multiviewer

SPLITMUX®

Display real-time 1080p video from four HDMI/DVI sources simultaneously on a single display.

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.
- Fluid, real-time video performance with 60 frames per second (fps) is all four quadrants.

Dual Mode

- In dual mode, the screen is split into two fields of equal size displaying the entire contents of two different video sources side-by-side.
  - The original image can be stretched or retain its aspect ratio.
- Fluid, real-time video performance with 60 frames per second (fps).

Full Screen Mode

- In full screen mode, one of the four video sources is displayed in full screen size and maximum resolution.
- Scan feature: cycle through four different sources at set intervals.

Picture in Picture (PiP) Mode

- In PiP mode, the full screen display of one of the four video sources is accompanied by two or three small images (thumbnails) of the three other video sources allowing simultaneous monitoring.
  - If there is no video source connected to the thumbnail, its screen will remain black.
- Scan feature: cycle through two or four different sources at set intervals for the larger image.

Control Methods

Front Panel Interface

- Use front panel buttons to locally change ports and select a display mode.

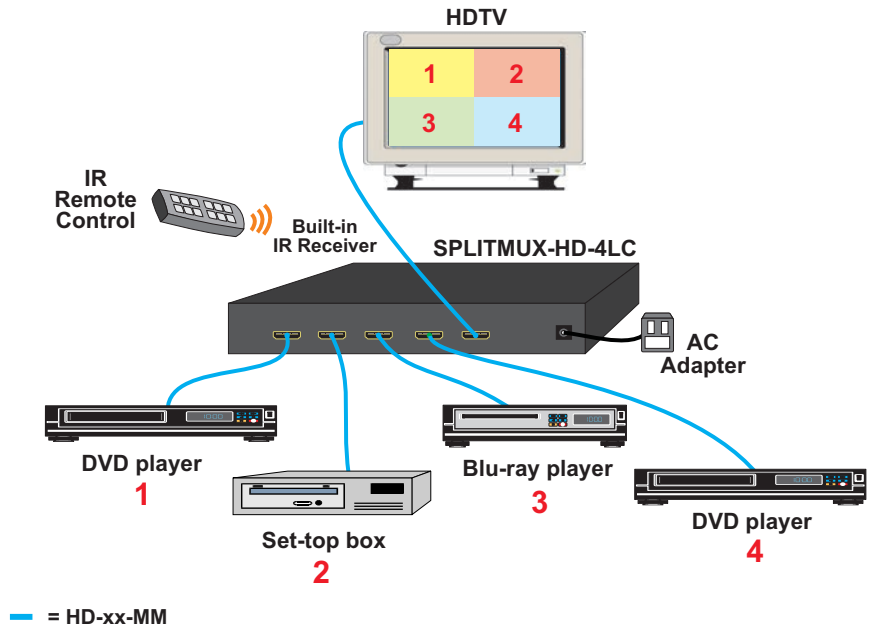
RS232

- Configuration and control can be done through the serial ports.
  - Female DB9 connector.

Infrared Remote Control

- Use to change ports and select a display mode.

Configuration and Cable Illustration



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