Low-Cost 4K 6.75Gbps HDMI Quad Screen Splitter/Multiviewer
SPLITMUX®

Display real-time 4Kx2K 30Hz video from four HDMI sources simultaneously on a single display.

- Quad, Dual, Picture in Picture, and Full Screen display modes.
- Supports Ultra-HD resolutions up to 3840x2160 @30Hz YUV 4:4:4, and HDTV resolutions to 1080p @60Hz.
- HDMI features supported:
  - HDMI 1.4
  - Up to 36-bit Deep Color
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2
  - Dolby, LPCM, DTS
  - Bandwidth up to 6.75 Gbps
- Accepts HDCP 1.4/2.2 signals.
- Seamlessly switch between the four sources.
- Switch audio independently of video from active HDMI video sources (video sources turned on and being displayed).
  - E.g. source 3 and source 4 video are active while only source 3 audio is active).
- Control the multiviewer through front panel buttons or IR remote.
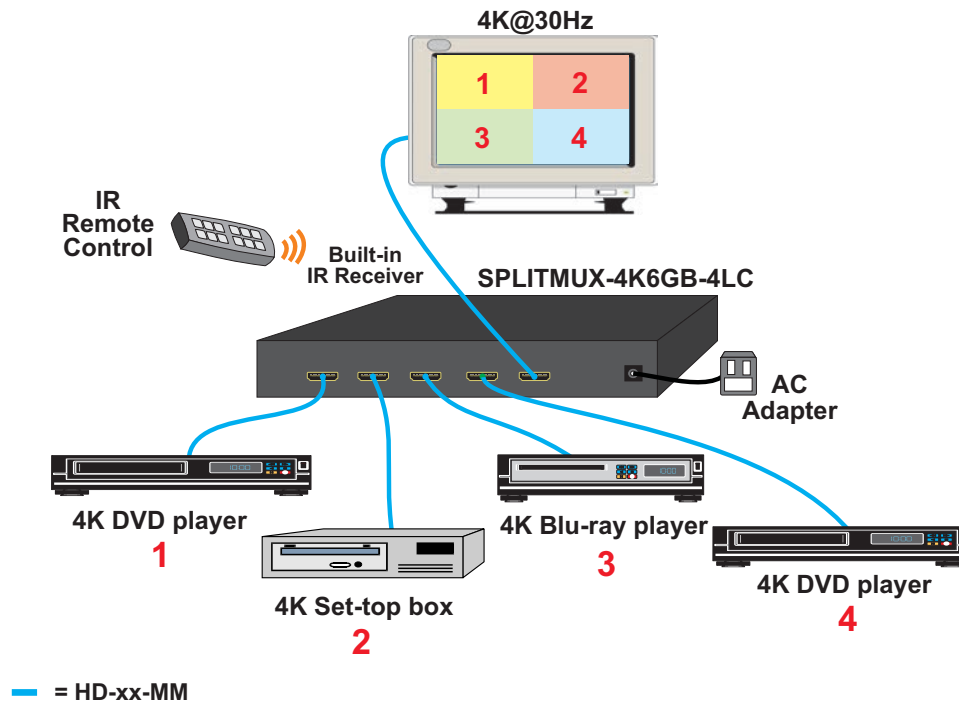- Mounting brackets included for easy surface/wall mounting.

DIGITAL SIGNAGE

SPLITMUX-4K6GB-4LC (Front & Back)

- **Resolutions to Ultra-HD 4Kx2K 30Hz**
- **Quad, Dual, Picture-in-Picture & Full Screen modes**

The SPLITMUX® Low-Cost 4K HDMI Quad Screen Multiviewer allows Ultra-HD 4Kx2K 30Hz video from four different sources to be simultaneously displayed on a single HDMI monitor in real time. It is capable of displaying the video signals in quad, dual, PiP, or full screen mode.

Configuration and Cable Illustration

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Low-Cost 4K 6.75Gbps HDMI Quad Screen Splitter/Multiviewer
SPLITMUX®

Display real-time 4Kx2K 30Hz video from four HDMI sources simultaneously on a single display.

Specifications

Video Input
- Four female HDMI connectors.
  - Supports HDMI devices such as DVD/Blu-Ray players, satellite receivers and HDTV tuners.
  - Does not support DVI video sources.
- Supported video input resolutions:
  - Ultra-HD 4Kx2K resolutions (3840x2160 @30Hz)
  - HDTV resolutions to 1080p @60Hz
- Supports HDCP 1.4/2.2

Video Output
- One female HDMI connector for display.
  - Use an HDMI to DVI adapter/cable to connect a DVI display.
- Supported video output resolutions:
  - Ultra-HD 4Kx2K resolutions (3840x2160 @30Hz)
  - HDTV resolutions to 1080p @60Hz
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Power
- Input: 100 to 240 VAC at 50 or 60Hz via AC adapter.
- Output: 12 VDC, 1A
- Power consumption: 8W

Dimensions
- WxDxH (in): 7.48x4.45x0.67 (190x113x17 mm)

Environmental
- Operating temperature: 32 to 104°F (0 to 40°C).
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Regulatory approvals
- CE, RoHS, FCC

Warranty
- Two years

Cables
- Interface cables between the video sources/display and the multiviewer are required for proper operation.
  - Supports input cable lengths to 20 feet for 4K@30Hz resolutions and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
  - Supports output cable lengths to 30 feet for 4K@30Hz resolutions and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
  - Longer cables can be used provided they have a built-in video equalizer (also known as "active HDMI 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:
    - HD-3/6/10/15/20-MM supports resolutions to 4K@30Hz.
    - HD-30/50/75/100-MM supports resolutions to 1080p@60Hz.
  - Video Output:
    - HD-3/6/10/15/20/30-MM supports resolutions to 4K@30Hz.
    - HD-50/75/100-MM supports resolutions to 1080p@60Hz.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect an HDMI source or display up to 100 feet away from the multiviewer.
  - Video Input:
    - HD-ACT-20/25/30/40/50/60-MM supports resolutions to 4K@30Hz.
    - HD-ACT-75/100-MM supports resolutions up to 1080p@60Hz
  - Video Output:
    - HD-ACT-20/25/30/40/50/60/75/100-MM supports resolutions to 4K@30Hz.
- Use DVI-HD-xM-MM cables to connect a DVI display to the multiviewer.
  - Supports resolutions up to 1080p@60Hz.
- Cables not included.

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.

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.

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 allowing simultaneous monitoring.
  - If there is no video source connected to the thumbnail, its screen will remain black.

Control Modes

Front Panel Interface
- Use the front panel button to locally change display mode.

Infrared Remote Control
- Use to change ports, select a display mode, change resolutions and switch/mute audio.

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