

# 3G-SDI Screen Splitter/Multiviewer, 9-Port SPLITMUX®

**Display real-time 1080p video from nine 3G/HD/SD-SDI sources simultaneously on a single display.**

- Full screen, quad screen, 9-picture screen, or custom display mode.
  - Custom Display Mode: the size, position and selection of any or all windows are customizable.
    - ♦ Mimic Picture-in-Picture (PiP), dual screen, or triple screen display modes with this method.
    - ♦ Maintain input aspect ratio if desired – no stretching necessary.
- Independent video in to video out resolution.
- Display the same video output configuration on two monitors at the same time with one SDI output and one HDMI output.
- Supports HDTV resolutions to 1080p.
- Fluid, real-time video performance with 60 frames per second (fps) in all nine segments.
- Control the multiviewer through front panel buttons, IR remote, or Graphical User Interface (GUI) which can be connected via RS232 serial port or Ethernet.
- Backup and restore multiviewer configurations.
- Built-in default EDID configuration tables.
  - Supported output resolutions can be selected.
- 1RU mounting kit included.

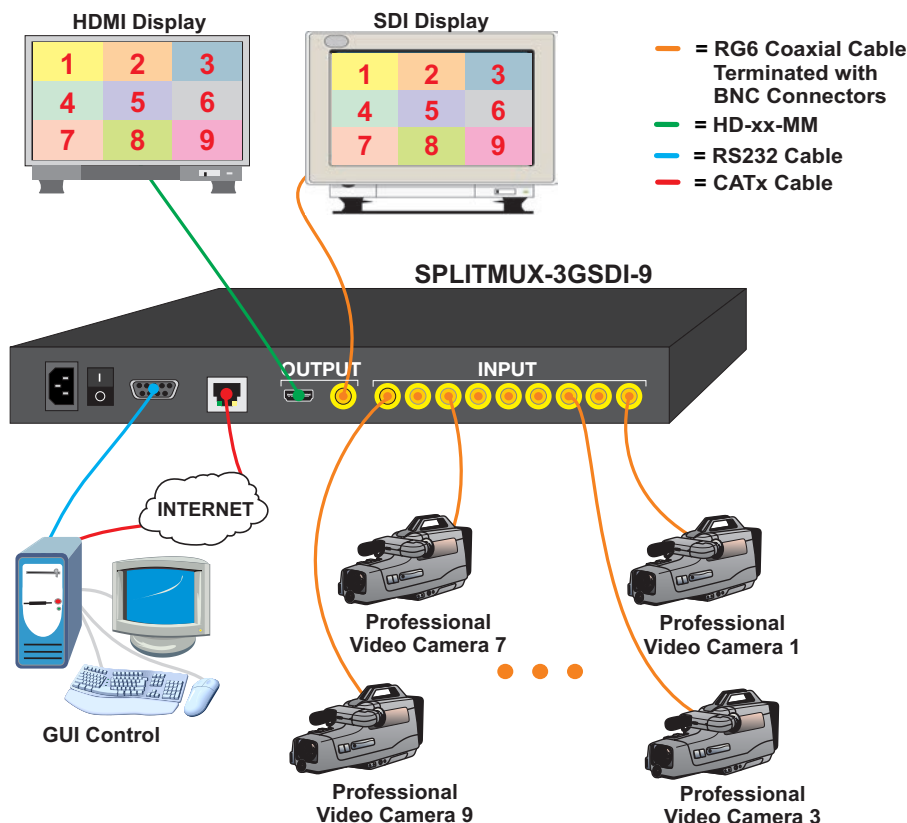


**SPLITMUX-3GSDI-9 (Front & Back)**

- **3G/HD/SD-SDI inputs with HDMI & SDI outputs**
- **HDTV resolutions to 1080p**
- **Full Screen and Custom Display Modes**
- **The size, position & selection of any or all windows are customizable.**
- **Use as a video switch**

The SPLITMUX® 3G/HD/SD-SDI Screen Splitter/Multiviewer allows video from up to nine different SDI sources to be simultaneously displayed in real-time on a single monitor. It is capable of displaying the video sources in full screen, quad screen mode, 9-picture screen mode, or custom mode on one HDMI monitor and one SDI monitor at the same time. In custom display mode, each picture can be adjusted to any size and positioned to any location on the display, such as to mimic Picture-in-Picture, dual screen, or triple screen display modes.

## Configuration and Cable Illustration



# 3G-SDI Screen Splitter/Multiviewer, 9-Port

## SPLITMUX®

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### Specifications

#### Video Input/Output

- Nine female 75 ohm BNC connectors for 3G/HD/SD-SDI video input.
- One female 75 ohm BNC connector for 3G/HD/SD-SDI display.
- One female HDMI connector for HDMI display.
- Resolution:
  - Input: Supports 576x480@60Hz through 1920x1080@60Hz
  - Output: Supports 1920x1080@30/50/60Hz and 1280x720@60Hz

#### Power

- Input: 100 to 240 VAC at 50 or 60 Hz via IEC connector. (Country-specific power supply cable included.)
- Power consumption: 12.6W.

#### Dimensions

- WxDxH (in): 17.31x9.50x1.75 (440x236x44 mm).
- Includes 1RU rackmount kit.

#### Regulatory Approval

- CE, FCC, RoHS.

#### Environmental

- Operating temperature: 32 to 113°F (0°C to 45°C).
- Storage temperature: -4 to 149°F (-20°C to 65°C).
- Operating and storage relative humidity: 0 to 90% non-condensing RH.

#### Cables

- Interface cables between the video sources/displays and the multiviewer are required for proper operation.
- RG6 75 Ohm coaxial cable terminated with BNC connectors is recommended for use.
  - Extend 1080p up to 197 feet (60 meters) and 1080i/720p up to 328 feet (100 meters).
- Use HD-xx-MM cable to connect an HDMI display up to 50 feet.
- Use DVI-HD-xM-MM to connect a DVI display up to 5 meters.
- Cables not included..

### Control Methods

#### Graphic User Interface (GUI)

- Configuration and control can be done using the Graphical User Interface (GUI).
  - Connect via an RS232 or Ethernet connection.
    - ♦ One female DB9 connector.
    - ♦ One female RJ45 connector.

#### Front Panel Interface

- Use front panel buttons to locally change ports, select a display mode, or change resolutions.

#### Infrared Remote Control

- Use to change ports, select a display mode, or change resolutions.
- Power: two AAA batteries (not included).

### Display Mode Examples



Full Screen Mode



Dual Screen with Custom Mode



Quad Screen Mode



Triple Screen with Custom Mode



9-Segment Screen Mode



Custom Mode with Individually Configured Windows