**4x4 HDMI Multiviewer / Video Matrix Switch / Video Wall Processor**

**SPLITMUX®**

**Route HDMI video and audio signals from four video sources to four displays. Display real-time 1080p video from four sources simultaneously on each display.**

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.
- Each input can be independently connected to any or all outputs.
- Quad, Picture in Picture, Full Screen, and Custom display modes.
  - Custom Display Mode: the size, position and selection of any or all windows are customizable.
  - 2- and 3-source viewing is possible with this method.
  - Fluid, real-time video performance with 60 frames per second (fps) in all four quadrants.
  - When in Multiview mode, all four monitors simultaneously display the same image.
- Supports 2x2 video wall configuration with displays in landscape (horizontal) orientation.
- HDCP 1.4 compliant.
- HDMI features supported:
  - HDMI 1.3
  - 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
- Configure and control the multiviewer through front panel buttons, Ethernet, IR remote control, or RS232.
- 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).
- Built-in EDID table
  - Option to copy EDID from any sink to one or all sources.

**Configuration and Cable Illustration**

**4x4 Video Matrix Configuration**

**Multiviewer Configuration**
Route HDMI video and audio signals from four video sources to four displays. Display real-time 1080p video from four sources simultaneously on each display.

Configuration and Cable Illustration

![Illustration of 2x2 Video Wall Configuration]

Specifications

**Video Input**
- Four HDMI input connectors.
- 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 1.4

**Outputs**
- Four female HDMI output connectors.
- HDMI-embedded audio switching (four-channel stereo mixing).
- Supported resolutions:
  - 480p@50/60Hz, 576i@50/60Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/50/60Hz
  - Computer resolutions to 1920x1200.
- Supports HDCP 1.4

**Power**
- Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter (AC adapter included.)
- Output: 12VDC, 4.16A
- Power consumption: 15W

**Environmental**
- Operating temperature: 32 to 131°F (0 to 55°C).
- Storage temperature: -4 to 185°F (-20 to 85°C.)
- Operating and storage relative humidity: up to 95% non-condensing RH.

**Dimensions**
- WxDxH (in): 19x6.96x1.75 (483x177x44 mm).

**Cables**
- Use HD-xx-MM HDMI cables to connect an HDMI source or display up to 50 feet away from the multiviewer.
- Use DVI-HD-xx-MM cable to connect a DVI source or displays.
- Cables not included.

**Regulatory Approvals**
- CE, FCC, RoHS
- TAA compliant

**Warranty**
- Two years

**Package Includes**
- One 4x4 HDMI Multiviewer
- One power adapter
- One IR remote
- Manual

**Compatible NTI Products**
- Combine NTI’s extenders, switches, splitters and cables for complex applications.
  - Low-Cost HDMI Extender via One CAT5e/6 (ST-C6HD-150-LC)
  - Low-Cost 4K 18Gbps HDMI Video Matrix Switch (SM-nXm-4K18GB-LC)
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Control Methods

Front Panel Interface
- Standard control method
- Configuration and control can be done using the front panel buttons.
- Keypad allows selection of the input source to be routed to the desired outputs.

Ethernet Control
- Standard control method.
- Configuration can be done over the Internet via Web server.
- Female RJ45 connector.
- 10/100 BaseT Ethernet interface.

RS232 Control
- Standard control method
- Configuration and control can be done through the serial port.
  - Female DB9 connector.
- Control the multiviewer using the Text Menu via RS232.
- Baud rate: 9600 bps

On Screen Display (OSD)
- Configuration and control can be done with On Screen Display (OSD).
  - OSD menu is displayed on output 1 only.
- Use the front panel buttons or IR remote control to operate the OSD.

Infrared Remote Control
- Standard control method
- Configuration and control can be done using the included IR remote control.

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.

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 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.

Custom Mode
- In Custom (Advance) mode, each video source is displayed in its own separate, detached window.
- Size, position and selection of the windows are customizable.
- Use web server graphical user interface to configure settings for each window.
- Presets of the window positioning can be saved.
- Borders can be set for each image input.
Route HDMI video and audio signals from four video sources to four displays. Display real-time 1080p video from four sources simultaneously on each display.

Display Mode Examples

- **Full Screen Mode**
- **Quad Mode**
- **PiP Mode with Thumbnails on Bottom**
- **PoP Mode with Thumbnails on Bottom**
- **PiP Mode with Thumbnails on Left**
- **Custom (Advance) Mode with Individually Configured Windows and Enabled Borders**
- **Dual Screen with Custom (Advance) Mode**