



# VL-MV1604

**VIDEO LINE //** ST 2110 IP Multiviewer

# PRODUCT OVERVIEW

The VL-MV1604 is a flexible and scalable ST 2110 multiviewer designed for advanced IP-based production and control room environments. It enables real-time decoding and visualization of up to 16 UHD or 48 HD ST 2110 video streams, providing customizable layouts and low-latency monitoring. Built for efficiency and integration, it offers extensive control options and seamless interoperability with NMOS IS-04/05 standards. ST 2110 signal monitoring in both horizontal and vertical screen modes.

## TECHNICAL SPECIFICATIONS



### Key Features

Decodes up to 16x UHD or 48x HD ST 2110 video streams in real time
Supports 4 independent, user-defined multiviewer layouts
Output options include ST 2110, HDMI, DisplayPort, and optional 12G SDI
Flexible PiP arrangement with UMD, tally, clocks and audio level overlays
ST 2110-10/20/30/40 and ST 2022-7 protocol support
Supports horizontal and vertical screen orientations with flexible layouts or 17 presets (16:9) and 16 presets (9:16 vertical) incl. crop/rotate
TSL 3.1/4.0/5.0 for source name and Tally auto-follow
NMOS IS-04/05 compliance for device discovery and connection control
Web-based GUI for configuration and control
Low-latency processing for accurate signal monitoring
2RU compact form factor for OB vans and rackmount environments
Redundant power supply option for uninterrupted operation
Software-defined functionality (SDF) with CPU+GPU processing

### Technical Specifications

Inputs	Up to 16x UHD or 48x HD (ST 2110)
Outputs	4x ST 2110, 1x HDMI, 3x DisplayPort, optional 4x 12G SDI interface
Layouts	4 independently configurable multiviewer layouts
Overlays	Audio levels, UMD, tally borders, clocks (TSL 3.1/4.0/5.0)
Protocols	ST 2110-10/20/30/40, ST 2022-7
Video formats	1080 50i/50P/59.94i/60i/60P, 2160 50P/60P/59.94P
Control	Web GUI, NMOS IS-04/05
Synchronization	PTPv2
Monitoring latency	<1 frame
Status monitoring	Real-time CPU/GPU/memory/network
Chassis	2RU rackmount, 4x 100Gb data, 3x 1Gb management, 2x PSU
Cooling	Intelligent fan system
Architecture	X86 with embedded OS

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