

Multiviewer MVG-2206



IP/SDI Hybrid Monitoring

16-Channel IP/SDI Bi-directional Conversion

32 Channels 4K Input

4 Processing Channels Independently Configurable

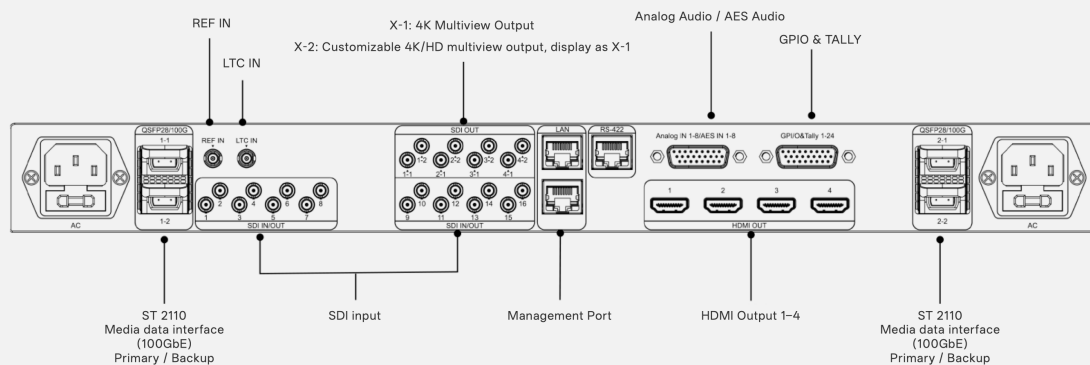
Multiviewer MVG-2206

Product Overview

The MVG-2206 is a multi-channel, high-performance multiviewer. It supports $4 \times 100\text{G ST 2110}$ and 16 channels of 12G-SDI input/output, making it suitable for large-scale IP/SDI signal monitoring scenarios in OB vans, studios, master control rooms, playout systems, and other broadcast environments. Key product features include:

- Up to 32 channels of 4K signal input
- 4 multiview processing channels
- Each output channel can be independently configured

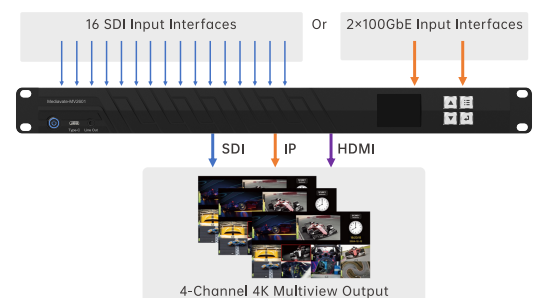
Device Interfaces



Use Cases

Integrated Production for Large and Small Screens

- A 1RU unit support $4 \times 100\text{GbE}$ ports and $16 \times 12\text{G-SDI}$ input ports, enabling up to 32 channels of 4K/HD signal input. It supports 4-channel multiview output, with each channel supporting simultaneous SDI/IP/HDMI output. Each SDI output channel provides two interfaces: one for 4K output, and the other selectable between 4K and HD.



Technical Specification

Input / Output	
Media Data Interface	100G QSFP28 x 4
SDI	12G SDI x 24 (16IN/OUT, 8OUT)
HDMI	HDMI x 4
REF	REF In x 1, Bi-Level or Tri-Level
LTC	LTC In x 1
RS-422	RS-422 x 1
Management Port	RJ-45 x 2
GPI/O & Tally	DB26 x 1
Analog / Digital Audio	8 Channels, Unbalanced, DB26 x 1
Digital Audio	8 Channels, Unbalanced, DB26 x 1
Audio Monitoring	3.5mm x 1
Video Format	
4K	3840 x 2160 60p/59.94p/50p
HD	1920 x 1080 60p/59.94p/50p/59.94i/50i
Transport Protocol / Standard	
SMPTE	SMPTE ST 2110-10/20/21/30/40, SMPTE ST 2022-7
NMOS	NMOS IS-04/05
Clock Sync	
SMPTE ST 2059 PTP Clock	
REF Bi-Level or Tri-Level	

Key Features

Up to 32 channels of 4K/HD signal input

4 × 100G ports, supporting 16 channels of 4K/HD 50p / 60p / 59.94p IP input

16 channels of configurable 12G-SDI input/output

4 multiview processing channels, with SDI/HDMI simultaneous output

4K or HD output resolution for each output channel

TSL 5.0 for automatic source name and Tally following

Automatic time calibration via LTC and NTP

Built-in multiple layout templates

Per-window adaptive color gamut and dynamic range conversion

BB sync and PTP sync

Combined display of multiple elements, including video windows, UMD, Tally, audio meters, clocks

Detection & alarm display for signal exceptions: signal loss, black frame, freeze frame, audio silence

Independent input of 8-channel analog or 8-channel digital audio, with channel binding for display

The same signal source can be duplicated and displayed in multiple windows

Multiview layout switching via Web UI, front panel, and GPI control

One-touch full-screen enlargement of a signal source via Web UI, front panel, and GPI control

General

Power Supply	100V-240V AC, 50/60 Hz
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Power Consumption	160W
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Operating Temp Range	0°C - 40°C
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Dimensions, W × H × D mm	435 x 45 x 450
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Redundant Power Supply	Supported
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