



VM-8UX

1:8 4K 12G SDI DA



VM-8UX is a compact and high performance 1:8 4K distributor for standard broadcast-grade SDI signals of up to 12G transmitted data rate. It auto-adapts to data rate of one SDI input signal, equalizes and re-clocks the signal to improve transmitted signal reach, and distributes the signal to eight identical SDI outputs.

FEATURES

- **Reliable Wire Connectivity** - Coaxial broadcast-grade cables are reliably connected via lockable BNC connectors, preventing unintentional wire disconnections, to gain fast and highly professional uncompressed SDI signals distribution deployments.
- **Extended-reach Input Extension** - Input signal equalization and output signals reclocking to gain extended-reach signal extension. Using Kramer high-quality coaxial SDI cables, supports extension of up to 300m (984ft) for SD signals; 200m (656ft) for 1.5G HD signals; 100m (328ft) for 3G and 6G HD signals; 80m (260ft) for 12G 4K signals. Note: Reach depends on signal resolution, and quality of copper cable used. Reach extension performance may vary while using non-Kramer coaxial cables.
- **Transmitted Data Rate** - Auto-adapting from 270Mbps to 12Gbps data rates.
- **Compliance** - Complies with SMPTE 259M (SD-SDI), 292M (HD-SDI), 344M (ED-SDI), 424M (3G HD-SDI), ST-2081 (6G-SDI) and ST-2082 (12G-SDI) standards.
- **Max. Resolution** - 4K@60Hz (4:2:2) 30bpp.
- **SDI Signal Transmission** - SDI, HD-SDI, 3G HD-SDI, 6G and 12G SDI compliant signals, supporting pass-through of standard embedded audio channels with ancillary ID and metadata information.
- **LED Indicators** - Status indicators for transmitted SDI data rate of input and output connected signals, and power indicator, for ease of maintenance and troubleshooting.
- **Easy Installation** - Compact DigiTOOLS™ fan-less enclosure for small footprint spaces and over-ceiling mounting, or side-by-side rack mounting.

TECHNICAL SPECIFICATIONS

INPUT:	1 SMPTE 259M (SD-SDI), 292M (HD-SDI), 344M (ED-SDI), 424M (3G HD-SDI), ST-2081 (6G-SDI) and ST-2082 (12G-SDI) compliant serial video, 75Ω on a BNC connector.
OUTPUTS:	8 equalized and reclocked SMPTE 259M (SD-SDI), 292M (HD SDI), 344M (ED-SDI), 424M (3G HD-SDI), ST-2081 (6G-SDI) and ST-2082 (12G-SDI), outputs 75Ω on BNC connectors
CABLE EQUALIZATION REACH:	12Gbps: Up to 80m (260ft), 3Gbps and 6Gbps: Up to 100m (330ft), 1.5Gbps: Up to 200m (660ft), SD: Up to 300m (980ft), Note: The specs apply when using Kramer cables.
VIDEO:	Up to 4K@60Hz (4:2:2) 30bpp resolution, 270Mbps to 12Gbps data rate.
MAXIMUM OUTPUT LEVEL:	800mVpp /75Ω.
COUPLING:	AC.
STANDARDS COMPLIANCE:	SMPTE 259M (SD-SDI), 292M (HD-SDI), 344M (ED-SDI), 424M (3G HD-SDI), ST-2081 (6G-SDI), ST-2082 (12G-SDI).
POWER CONSUMPTION:	5V DC, 400mA.
POWER SOURCE:	5.2V/4A.
ENCLOSURE:	Tool, aluminum type.
COOLING:	Convection ventilation.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
PRODUCT DIMENSIONS:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.5kg (1.1lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.0kg (2.2lbs) approx.
INCLUDED ACCESSORIES:	Power supply, mounting bracket, 2 male BNC 75Ω terminators.
OPTIONS:	RK-T2B 19" rack adapter.

