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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



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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
Included Accessories:	Power supply, mounting bracket, 2 male BNC 75Ω terminators
Product Dimensions	19.00cm x 11.60cm x 2.70cm (7.48" x 4.57" x 1.06") 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

