VM-4UX
1:4 4K 12G SDI DA

The VM-4UX is a compact and high performance 1:4 4K distributor for standard broadcast-grade SDI signals of up to 12G transmitted data rate. It auto-adapts to the data rate of one SDI input signal, equalizes and re-clocks the signal to improve transmitted signal reach, and distributes the signal to four 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 (262ft) 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

Inputs:	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:	4 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 above 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, 250mA
Power Source:	5.2V/4A
Enclosure:	Tools size, Aluminum type
Cooling:	Convection ventilation
Operating Temperature:	0° to +40°C (32° to 104°F)
Storage Temperature:	−40° to +70°C (−40° to 158°F)
Humidity:	10% to 90%, RHL non−condensing
Included Accessories:	Power supply, mounting bracket, 2 male BNC 75Ω terminators
Product Dimensions	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96") W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	23.20cm x 12.00cm x 8.90cm (9.13" x 4.72" x 3.50") W, D, H
Shipping Weight	0.7kg (1.5lbs) approx

INPUT OUT 1 OUT 2 OUT 3 OUT 4 5V DC

SDI SDI SDI

12G/HD/SD Camera   12G/HD/SD SDI Display 1   12G/HD/SD SDI Display 4