



## 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
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.
INCLUDED ACCESSORIES:	Power supply, mounting bracket, 2 male BNC 75Ω terminators.
OPTIONS:	RK-3T 19" rack adapter.

