



# KRAMER

## VM-4UX

1:4 4K 12G SDI DA



The VM4UX is a compact and high performance 1:4 4K distributor for standard broadcastgrade SDI signals of up to 12G transmitted data rate. It autoadapts to the data rate of one SDI input signal, equalizes and reclocks the signal to improve transmitted signal reach, and distributes the signal to four identical SDI outputs

### FEATURES

**Reliable Wire Connectivity** - Coaxial broadcastgrade 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 extendedreach signal extension. Using Kramer highquality 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 nonKramer coaxial cables

**Transmitted Data Rate** - Autoadapting from 270Mbps to 12Gbps data rates

**Compliance** - Complies with SMPTE 259M (SDSDI), 292M (HDSDI), 344M (EDSDI), 424M (3G HDSDI), ST2081 (6GSDI) and ST2082 (12GSDI) 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 passthrough 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™ fanless enclosure for small footprint spaces and overceiling mounting, or sidebyside rack mounting



## TECHNICAL SPECIFICATIONS

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Inputs:	1 SMPTE 259M (SDSDI), 292M (HDSDI), 344M (EDSDI), 424M (3G HDSDI), ST2081 (6GSDI) and ST2082 (12GSDI) compliant serial video, 75 on a BNC connector
Outputs:	4 equalized and reclocked SMPTE 259M (SDSDI), 292M (HDSDI), 344M (EDSDI), 424M (3G HDSDI), ST2081 (6GSDI) and ST 2082 (12GSDI), outputs 75 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 /75
Coupling:	AC
Standards Compliance:	SMPTE 259M (SDSDI), 292M (HDSDI), 344M (EDSDI), 424M (3G HDSDI), ST2081 (6GSDI), ST2082 (12GSDI)
Power Consumption:	5V DC, 250mA
Power Source:	5.2V/4A
Enclosure:	Tools size, Aluminum type
PRODUCT DIMENSION:	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 DIMENSION:	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
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 noncondensing
Included Accessories:	Power supply, mounting bracket, 2 male BNC 75 terminators
Options:	RK3T 19" rack adapter