



## VM-2UX

1:2 4K 12G SDI DA

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The VM-2UX is a compact and high-performance 1:2 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 two identical SDI outputs

## FEATURES

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**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 signal reclocking to gain extended-reach signal extension. Using Kramer high-quality coaxial SDI cables, supports extension of up to 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** - From 270Mbps to 12Gbps data rates

**Max. Resolution** - 4K@60Hz (4:2:2) 30bpp

**SDI Signal Transmission** - Auto-adapts to 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

**Easy Installation & Maintenance** - Compact Pico TOOLS™ fan-less enclosure for small footprint spaces and over-ceiling mounting, or side-by-side rack mounting. Status indicators for transmitted SDI data rate of input and output connected signals, and power indicator, for ease of maintenance and troubleshooting



## TECHNICAL SPECIFICATIONS

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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 input on a 75Ω BNC connector
Outputs:	2 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 on 75Ω BNC connectors
Cable Equalization Reach:	12Gbps: Up to 80m (260ft) using Kramer cables, 3Gbps and 6Gbps: Up to 100m (330ft) 1.5Gbps: Up to 200m (660ft), SD: Up to 300m (980ft)
Video:	Up to 4K@60Hz (4:2:2) 30bpp resolution, 270Mbps up 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
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
Dimensions:	6.2cm x 5.2cm x 2.4cm (2.4" x 2.05" x 0.9") W, D, H
Weight:	0.093kg (0.205lbs) approx
Shipping dimensions:	15.7cm x 12cm x 8.7cm (6.18" x 4.7" x 3.42") W, D, H
Shipping weight:	0.52kg (1.15lbs) approx
Included Accessories:	Power supply, mounting bracket
PRODUCT DIMENSION:	6.22cm x 5.18cm x 2.44cm (2.45" x 2.04" x 0.96" ) W, D, H
PRODUCT WEIGHT:	0.5kg (1.1lbs) approx
SHIPPING DIMENSION:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
SHIPPING WEIGHT:	0.9kg (2.1lbs) approx

