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VM-2UX

1:2 4K 12G SDI DA



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

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



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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 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
Included Accessories:	Power supply, mounting bracket
Product Dimensions	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 Dimensions	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

