



# kramer

## MC3-2S-2S

12G SDI 2xIN + 2xOUT Scaling Card

| Kramer Core



MC3-2S-2S is a high-performance two-port input and two-port output SDI card which is part of the compatible modular matrices multi-signal cards family. MC3-2S-2S can flexibly occupy any of the matrix card slots. Its input signals are independently switched by the modular matrix to any of the matrix output ports, and any matrix input signals are independently switched to its scaling output ports

### FEATURES

**High Resolution Audio-Visual Experience** - Modular matrix card supports high 12G 4K60 4:2:2 SDI signal distribution from and towards any input and output port of the modular matrix

**Valuable Fast Switching Experience** - Fast and clean presentation signal switching, ensures smooth transitions of displayed content, as distributed from multiple matrix input-connected sources

**High-Performance Scaling Presentation** - Built-in ProcAmp high-resolution scaling technology for optimal glitch-free output image display

**Auto-adapting SDI Signal Transmission** - Auto-adapting distribution of SDI, HD-SDI, 3G HD-SDI, 6G and 12G SDI compliant signals, and supporting pass-through of standard embedded audio channels with ancillary ID and metadata information

**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

**Long-reach Signal Distribution** - Input signal equalization and output signals reclocking to gain long-reach signal distribution

**Multi-channel Audio Transmission** - Up to 2 channels of digital stereo uncompressed signals for supporting studio-grade surround sound



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## TECHNICAL SPECIFICATIONS

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| Inputs                                     | 2 12G SDI On 75Ω BNC female connectors   |
| Outputs                                    | 2 12G SDI On 75Ω BNC female connectors   |
| SDI  | Data Rate 270Mbps to 12Gbps<br>Max Output Level 800mVpp / 75Ω<br>Cable Equalization Reach 800mVpp / 75Ω  |
| Video                                      | Max SDI Resolution 4K60 4:2:2<br>Scaling Input Resolution NTSC, PAL, 720p, 1080i, 1080p and 2160p<br>Max Switching Time Between Inputs 1.5 seconds<br>Output Transition on Switching Smooth cut-thru<br>Video Latency 1–2 frames<br>Standards Compliance SMPTE 259M (SD–SDI), 292M (HD–SDI), 424M (3G HD–SDI), ST–2081 (6G–SDI), ST–2082 (12G–SDI) |
| CABLE<br>EQUALIZATION<br>REACH             | 12Gbps Up to 80m (260ft)<br><br>6Gbps Up to 100m (330ft)<br>3Gbps Up to 180m (590ft)<br>1.5Gbps Up to 200m (660ft)<br>SD Up to 300m (980ft)<br>Note: When using Kramer cables  |
| OPERATING<br>TEMPERATURE:                  | 0° to +40°C (32° to 104°F)   |
| STORAGE<br>TEMPERATURE:                    | –40° to +70°C (–40° to 158°F)  |
| HUMIDITY:                                  | 10% to 90%, RHL non-condensing   |
| SAFETY<br>REGULATORY<br>COMPLIANCE:        | CE, FCC, UKCA  |
| ENVIRONMENTAL<br>REGULATORY<br>COMPLIANCE: | Complies with appropriate requirements of RoHs and WEEE  |
| Product Dimensions                         | 25.50cm x 13.00cm x 2.00cm (10.04" x 5.12" x 0.79" ) W, D, H   |
| Product Weight                             | 0.4kg (1.0lbs) approx  |
| Shipping Dimensions                        | 29.20cm x 16.60cm x 5.30cm (11.50" x 6.54" x 2.09" ) W, D, H   |
| Shipping Weight                            | 0.6kg (1.3lbs) approx  |