OCEAN MATRIX® 3GSDI Converters

Ocean Matrix OMX-SDI2SDI SDI to SDI Reclocking Up Down Scaling Converter

Catch the Wave!

The Ocean Matrix OMX-SDI2SDI Up/Down Cross Converter allows you to manage video output for multiple displays by matching native resolutions through up/down scaling of SD/HD and 3G-SDI signals with external dipswitch settings. Frame synchronization genlocks the video output of one source to another input source for live productions. Other video improvement features include signal converting, buffering, reclocking, and adjusting aspect ratios. Includes a built-in pattern generator with color bars.

Housed in a rugged metal enclosure, this compact cross converter includes a pass through unaltered SDI output, two scaled outputs, and a locking power supply. Supports up to 8 channels of embedded audio.

INCLUDES

• US 2-Prong 12VDC/1A Power Adapter

FEATURES

• Built-In Up/Down Conersion
• External Dipswitc
• Adjust AspecRatio-Full to 16:9 to 4:3 or Pixel to Pixel
• Auto 3G/HD/SD/SDI Detection
• Reference Input for Genlock
• SDI Reclock up to 3G-SDI
• Test Pattern Generator
• Universal Mounting Flanges

SPECIFICATIONS

Input	1-SDI (BNC), 1-REF (BNC) Black Burst, Tri-Level Sync
Output	2-Up/Down Converted SDI, 1-SDI Loop Through
Transmission Range	N/A
Transition Rate	70Gb/s, 1.485Gb/s, 270Mb/s
Power Supply	12VDC/1A
Resolutions	• 1080p60/50, 1080i60/50, 1080p30/25/24, 720p60/50 • 1080p59.94, 1080i59.94, 720p59.94, 1080p29.97, 1080p23.98 • 525i & 625i SD D1 Format • RGB/YUV 4:4:4 Sampled
Dims (in)	6.15x2.5x1in/ 156x63.5x25.4mm
Weight (lb)	1 lb / 0.45 kg
Warranty	1 Year

Manuf #/Web Page OMX-SDI2SDI