



SAFETY PRECAUTIONS



1. To prevent fire or shock hazard, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be kept between 32°F to 140°F (0°C to 60°C). Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
3. Do not disassemble the unit or place it on an unstable base.
4. Do not drop the unit and avoid heavy impact.
5. This unit should not be permanently installed unless proper ventilation is provided. Any enclosure openings must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, turn off the power and unplug the unit from all connections. Use a damp cloth. Do not use liquid cleaners nor aerosol cleaners.
7. Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
8. Enclosure entry is dangerous. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself as opening or removing covers may expose you to dangerous voltage and other hazards.
10. There are no user-serviceable parts inside the unit. If the unit requires service contact your authorized dealer, or an authorized repair service company.

Ocean Matrix
812 Kings Highway
Saugerties NY 12477

www.oceanmatrix.com

OCEAN MATRIX®

USER MANUAL OMX-12GSDI-1X6

Ocean Matrix OMX-12GSDI-1X6 Reclocking Distribution Amplifier
with 12G/6G/3G Compatibility



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OMX-12GSDI-1X6

Reclocking Distribution Amplifier

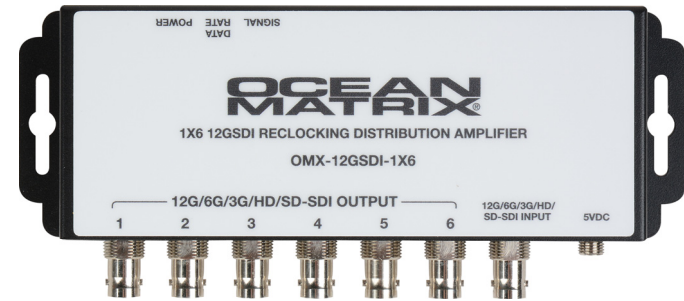
The Ocean Matrix OMX-12GSDI-1X6 Reclocking Distribution Amplifier replicates SDI video signals across 6 outputs for real-time multi viewing or recording.

This distribution amplifier reclocks and splits one SDI, HD-SDI, 3G-SDI, 6G-SDI, or 12G-SDI input to six SDI compliant outputs using automatic signal detection. OMX-12GSDI-1X6 supports SMPTE video formats for HD and UHDTV broadcast requirements, in addition to 2K and 4K SDI transmission.

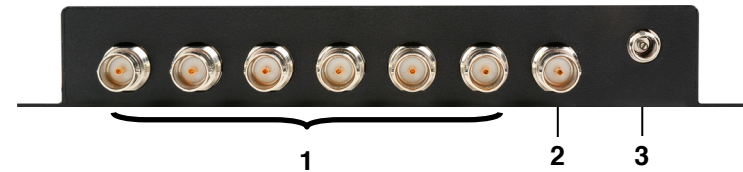
Includes: 5V/2A Power Supply

Specifications	
SDI Standards	SMPTE UHDTV-SDI
Supported Formats	DVB-ASI at 270Mbps, SMPTE 259M, SMPTE 292M, SMPTE 344M, SMPTE 424M, SMPTE425M, SMPTE ST2081, SMPTE ST2082
Video Bandwidth	11.868 / 11.88Gbps
Data Rates	1.485 / 2.97 / 5.96 / 11.88 Gbps
Cable Equalization	up to 1000ft@SD, 500ft@HD, 300ft@3G, and 150ft@12G
PCB Stack-Up	6-Layer Board/Impedance Control Differential 100Ω, single 75Ω
Input/Outputs	SDI (BNC 75Ω)
Power Consumption	5W
Operating Temperature	32°F to 104°F (0°C to 40°C)
Dimensions (LxWxH)	8x2.75x1in / 203x6.99x25.4mm with flanges
Weight	1 lb / 0.45 kg

OMX-12GSDI-1X6 Features



Front Panel



- 1 12G/6G/3G/HD/SD-SDI Output
- 2 12G/6G/3G/HD/SD-SDI Input
- 3 5VDC Power Input

Rear Panel



- LED Indicators
- Lock
- Rate
- Power

Installation

- A** Connect 12G/6G/3G/HD/SD-SDI source to input #2 above
- B** Connect 12G/6G/3G/HD/SD-SDI display or devices to outputs #1 above
- C** Plug power adapter into the power input #3 above