

Overview:

The 3G-SDI/ST2110 over IP Uncompressed Gateway Converter allows HD-SDI and 3G-SDI equipment to be extended up to 100ft (30m) via UTP Cat 6a/7 cable or up to 1300ft (400m) via duplex multimode OM4 fiber with LC connectors, at up to 1080p resolution @ 60Hz uncompressed, in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to a 10G Ethernet network. The unit provides a 1G Ethernet Switch port to connect additional network devices, and an RS232 port for remote control of end devices.

The 3G-SDI/ST2110 over IP Uncompressed Gateway Converter supports SMPTE ST-2110. It can be managed through its Web interface and RestAPI.

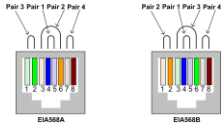
Applications:

- Commercial broadcast AV systems
- News/sports/TV stations
- Movie networks/studios

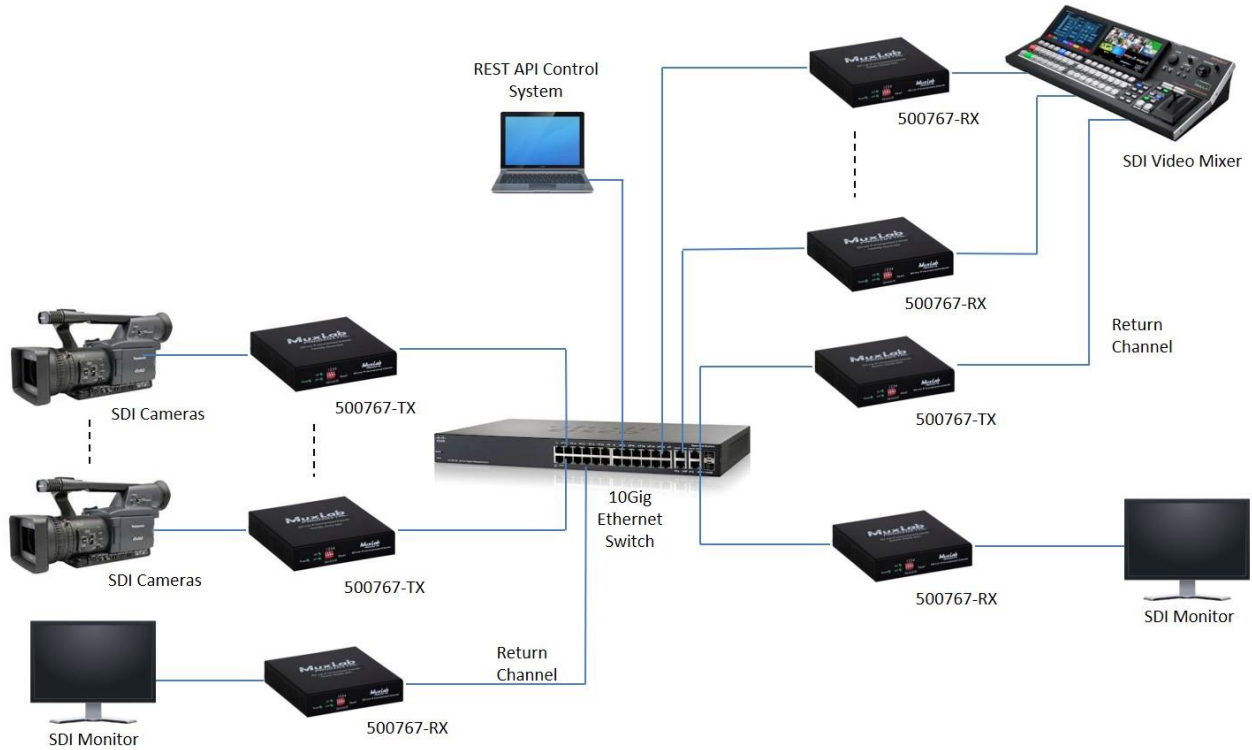


Key Features:

- Transmit Uncompressed SDI video up to 3G-SDI (1080p @ 60Hz) over a 10G Ethernet network
- Supports the SMPTE ST-2110 protocol
- Extend up to 100ft (30m) over Cat 6a/7, or 1300ft (400m) over OM4 fiber
- Number of Transmitters & Receivers limited only by the network bandwidth
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports a 1G Switch port for additional network devices
- Supports RS232 for remote control of end devices
- Managed via its Web interface and RestAPI

Specifications	
Environment	HD-SDI and 3G-SDI
Devices	HD/3G-SDI cameras, mixers, media players, monitors, TV, PC, laptops, servers supporting HDMI.
Signals	SDI protocol (supports ST-2110)
Connectors/Switches	One (1) BNC connector for SDI. One (1) SFP for Ethernet and UTP connection to a 10G Ethernet Switch for transmission & control. One (1) RJ45S for 1G Ethernet Switch port for additional network devices. One (1) RS232 3-Pin Phoenix connector. One (1) 2.1mm locking power connector. Four (4) DIP Switches for device ID addressing.
<i>Note: Cables not included.</i>	
Maximum Distance	Cat 6a/7: 100ft (30m) up to 1080P @ 60Hz OM4: 1300ft (400m) up to 1080p @ 60Hz, OM3: 985ft (300m) up to 1080p 2 60Hz Coax: 689ft (210m) @ 2.97Gbps and 985ft (300m) @ 1.485Gbps (using Belden 1694A cable) <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>
Latency	Zero latency
Compression	None (uncompressed)
Network Bandwidth	Up to 3Gbps
Network Requirement	10G Ethernet LAN
RJ45 Pin Configuration	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) <div style="text-align: center;">  </div>
Cables	One (1) Duplex multi-mode fiber cable (for MM Fiber version). One (1) Cat 6a/7 or better twisted pair cables (for UTP version).
Power Source	One (1) 12VDC Power Supply included per Transmitter and per Receiver.
Power Consumption	15 watts (max)
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	4.4" x 4.6" x 1.0" (111mm x 120mm x 25mm)
Weight	1.5lbs (0.7kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500767-TX-UTP 3G-SDI/ST2110 over IP Uncompressed Transmitter, UTP (UPC: 627699907672) 500767-RX-UTP 3G-SDI/ST2110 over IP Uncompressed Receiver, UTP (UPC: 627699807675) 500767-TX-MM 3G-SDI/ST2110 over IP Uncompressed Transmitter, MM (UPC: 627699917671) 500767-RX-MM 3G-SDI/ST2110 over IP Uncompressed Receiver, MM (UPC: 627699817674)
Accessories (These items are sold separately)	500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit

Typical Application



* MM Fiber version shown