

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 (future feature).

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

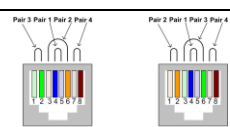
Applications:

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

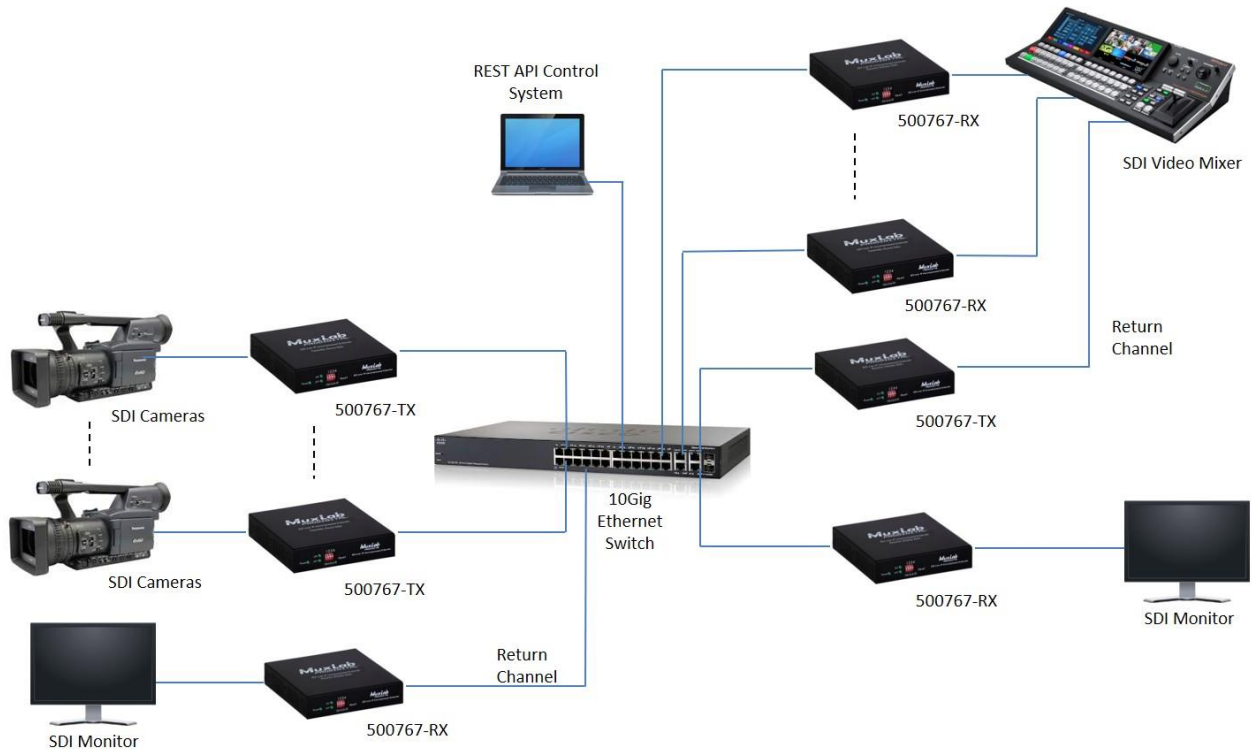


Key Features:

- 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 (future feature)
- 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	<p>RJ45 Link</p> <table border="0"> <tr> <td>Pin 1 (R)</td> <td>Pin 2 (T)</td> </tr> <tr> <td>Pin 3 (R)</td> <td>Pin 6 (T)</td> </tr> <tr> <td>Pin 4 (R)</td> <td>Pin 5 (T)</td> </tr> <tr> <td>Pin 7 (R)</td> <td>Pin 8 (T)</td> </tr> </table> <p><i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i></p> 	Pin 1 (R)	Pin 2 (T)	Pin 3 (R)	Pin 6 (T)	Pin 4 (R)	Pin 5 (T)	Pin 7 (R)	Pin 8 (T)				
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Pin 7 (R)	Pin 8 (T)												
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	<table border="0"> <tr> <td>500767-TX-UTP</td> <td>3G-SDI/ST2110 over IP Uncompressed Transmitter, UTP</td> <td>(UPC: 627699907672)</td> </tr> <tr> <td>500767-RX-UTP</td> <td>3G-SDI/ST2110 over IP Uncompressed Receiver, UTP</td> <td>(UPC: 627699807675)</td> </tr> <tr> <td>500767-TX-MM</td> <td>3G-SDI/ST2110 over IP Uncompressed Transmitter, MM</td> <td>(UPC: 627699917671)</td> </tr> <tr> <td>500767-RX-MM</td> <td>3G-SDI/ST2110 over IP Uncompressed Receiver, MM</td> <td>(UPC: 627699817674)</td> </tr> </table>	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)
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Accessories (These items are sold separately)	500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit												

Typical Application



* MM Fiber version shown