

Overview:

The 3G-SDI & LongReach 3G-SDI Extender Kits allow HD-SDI to be transmitted up to 330 / 500 ft via Cat5e cable at all resolutions in a point-to-point.



The HD-SDI Extender Kit supports transmission of up to 2.97/3.0 Gbps uncompressed, unencrypted digital video (optionally including up to 32 channels of embedded Audio and/or embedded Time Code) within television facilities and between professional video equipment.

Applications:

Video production, broadcasting, camcorder, studio-to-studio, post-production, live events, medical imaging displays, mobile video, HD/SD.

Features:

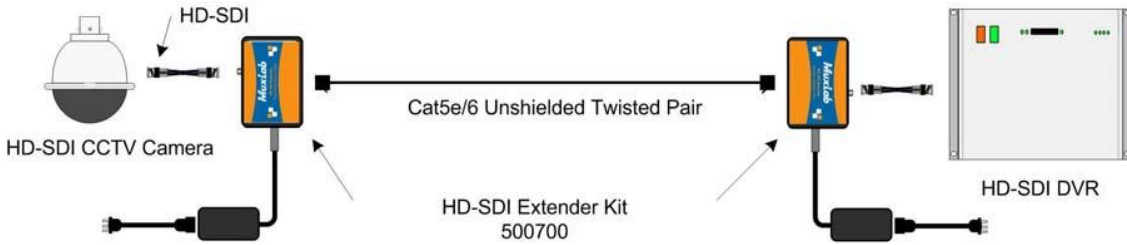
- Up to 330 / 500ft via Cat5e cable (100m / 150m)
- Up to 400 / 500ft via Cat6 cable (120m / 150m)
- Supports SDI-SMPTE 259M-C (270Mbps), HDSDI-SMPTE 292M (1.485, 1.485/1.001 Gbps), HD-SDI-SMPTE 424M/425M (2.97/3.0 Gbps)
- Supports up to 32 channels of embedded Audio and/or embedded Time Code
- LED diagnostics: sync, SDI detect

Environment	SDI single link: SD, HD & 3G.
Devices	Monitors or any equipment supporting SDI single link.
Standard supported	SMPTE 259M (270Mb/s), SMPTE 292M & SMPTE 424M.
Bit rates	270Mb/s, 1.485Gb/s & 2.97 Gb/s (automatic selection).
Format tested	SD: 525i, 59.94 Hz & 625i, 50 Hz HD: 1035i, 60 Hz & 1080i, 50 Hz & 1080p, 30 Hz & 1080i, 60 Hz & 1080p, 25 Hz & 1080i, 50 Hz & 1080p, 24 Hz & 720p, 60 Hz 3G: 1080p, 4:2:2, 10b, 60Hz & 1080p, 4:2:2, 10b, 50Hz & 720p, 4:4:4:4, 10b, 60Hz & 720p, 4:4:4:4, 10b, 50Hz & 1080p, 4:4:4:4, 10b, 30Hz & 720p, 4:4:4:4, 10b, 30Hz & 1080p, 4:4:4:4, 10b, 25Hz & 720p, 4:4:4:4, 10b, 25Hz & 1080p, 4:4:4:4, 10b, 24Hz & 720p, 4:4:4:4, 10b, 24Hz & 1080i, 4:4:4:4, 10b, 30Hz & 1080i, 4:4:4:4, 10b, 25Hz & 1080p, 4:4:4, 12b, 30Hz & 1080p, 4:4:4, 12b, 25Hz & 1080p, 4:4:4, 12b, 25Hz & 1080i, 4:4:4, 12b, 30Hz & 1080i, 4:4:4, 12b, 25Hz & 1080p, 4:2:2, 12b, 30Hz & 1080p, 4:2:2, 12b, 25Hz & 1080i, 4:2:2, 12b, 30Hz & 1080i, 4:2:2, 12b, 25Hz Only LEVEL A MAPPING is supported.
Indicators	Power SDI Sync RJ45 Link
Connectors <i>On each unit</i>	One BNC 75 ohm female. One RJ45S for Cat5e/6 unshielded twisted pair. One power connector, 2mm.
Maximum Distance	UTP Cat 5e: 330 ft (100 m) UTP Cat 6: 400 ft (122 m) for 500700 UTP Cat 5e: 500 ft (150 m) UTP Cat 6: 500 ft (150 m) for 500702 Maximum distance applies for all format and speed between boxes. On the SDI side, the use of an equalizer at input and a clock regenerator at output allow to reach the maximum distance on coax.
RJ45 Pin Configuration <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i>	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)
Cables <i>(Not included)</i>	One straight Cat 5e/6 twisted pair cables required. Two 75 ohm coaxial cables with 75 ohm BNC required.
Power Supply <i>(Included)</i>	Two 100-240V/5-12VDC 15W power supplies with interchangeable blades for NA, Europe and UK.
Power Consumption	Transmitter: 4 Watts Receiver: 8 Watts
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing

3G-SDI Extender Kit & LongReach 3G-SDI Extender Kit 500700, 500702

Enclosure	6061 Aluminum alloy
Dimensions	4.50" x 3.00" x 1.25" (11.4 x 7.6 x 3.2 cm)
Weight	2.5 lb. (1.1 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500700 HD-SDI Extender Kit 500702 LongReach HD-SDI Extender Kit

Typical Application:



Product Photos:

