

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 embedded Audio and/or 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)
- LED diagnostics: sync, SDI detect

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| 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

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| 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:

