The 3G-SDI & LongReach 3G-SDI Extender Kits allow HD-SDI to be transmitted up to 300 / 500 ft via Cat5e cable at all resolutions in a point-to-point setup.

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

### 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

Only LEVEL A MAPPING is supported.

### Indicators
- Power SDI Sync RJ45 Link

### Connectors
- 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 6e: 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

#### Reverse Polarity Sensitive.
- Use EIA/TIA 568A or 586B straight-through wiring.

#### 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 (Not included)
- One straight Cat 5e/6 twisted pair cables required.
- Two 75 ohm coaxial cables with 75 ohm BNC required.

### Power Supply (Included)
- 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

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>6061 Aluminum alloy</th>
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<tbody>
<tr>
<td>Dimensions</td>
<td>4.50” x 3.00” x 1.25” (11.4 x 7.6 x 3.2 cm)</td>
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<tr>
<td>Weight</td>
<td>2.5 lb. (1.1 kg)</td>
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<td>Compliance</td>
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<td>Warranty</td>
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<td>500702 LongReach HD-SDI Extender Kit</td>
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</table>

Typical Application:

![Diagram of HD-SDI Extender Kit](image)

Product Photos:

![Product Photos](image)