

Overview

The HD-SDI Extender Kit allows HD-SDI to be transmitted up to 330 ft (100m) via Cat5e cable at all resolutions in a point-to-point configuration. 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 routing, HD CCTV, medical imaging



Key Features

- Up to 330 ft (100m) via Cat5e cable
- Up to 400 ft (122m) via Cat6 cable
- Supports SDI-SMPTE 259M-C (270Mbps) HD-SDI-SMPTE 292M (1.485, 1.485/1.001 Gbps) HD-SDI-SMPTE 424M/425M (2.97/3.0 Gbps)
- LED diagnostics: sync, SDI detect

| Specifications | |
|---|--|
| Environment | SDI single link : SD, HD & 3G. |
| Devices | Camcorders, video processors, monitors, projectors, scan converters, CCTV cams/DVR and any equipment supporting HD-SDI single link |
| Standard supported | SMPTE 259M (270Mb/s), SMPTE 292M & SMPTE 424M. |
| Speed | 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, 24Hz & 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 |
| Indicators | Power on (on both end) Signal detect (on rx side). Synchronisation detect (on both end) Link between the two unit working (on both end). |
| Connectors | One BNC 75 ohm female One RJ45S for Cat 5e/6 unshielded or shielded twisted pair. One power connector, 2mm. |
| Maximum Distance (all resolutions) | Cat5e UTP/STP: 330 ft (100 m) Cat6 UTP/STP: 400 ft (122 m) |
| RJ45 Pin Configuration | <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>RJ45 Link</p> <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) All pins are actively used</p> </div> <div style="flex: 1; text-align: center;"> <p style="font-size: small;">EIA568A EIA568B</p> </div> </div> <p><i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 568B straight-through wiring.</i></p> |
| Cables (Not included) | One straight Cat 5e/6 or better twisted pair cables required. Two (2) 75-ohm coaxial cables with BNC required. |
| Power Supply | Two 100-240V/12VDC 1.25A power supplies with interchangeable blades for NA, Eur & 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-cond. |
| Enclosure | Aluminium |
| Dimensions | 4.5" x 3.0" x 1.25" (11.4 cm x 7.6 cm x 3.2cm) |
| Weight | 2.5 lb (1.1 kg) |
| Compliance | Regulatory: FCC, CE, RoHS Flammability: 94V0 |
| Warranty | 2 years |
| Order Information | 500700 HD-SDI Extender Kit |

Typical Application

