

Overview

The 3G-SDI Balun (500701) allows one HD-SDI signal to be transmitted up to 150 ft (45m) via Cat5e cable at HD resolution in a point-to-point configuration. The HD-SDI Balun supports transmission of up to 1.5 Gbps uncompressed, un-encrypted digital video (optionally including embedded Audio and/or Time Code) within television facilities and between professional video equipment.





Key Features

- Supports SD and HD (720p,1080i) resolutions
- Up to 150 ft (45m) via Cat5e cable @ HD
- Up to 400 ft (120m) via Cat5e cable @ SD
- Supports Cat5e/6 cable
- Cast aluminum enclosure for EMI/RFI shielding

Applications

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

Specifications	
Environment	SDI single link : SD & HD
Devices	Camcorders, video processors, monitors, projectors, scan converters, HD-CCTV cameras/DVR and any equipment supporting HD-SDI single link
Standard supported	SD: SMPTE 259M (270Mb/s) HD: SMPTE 292M
Speed	270Mb/s & 1.485Gb/s
Insertion Loss per balun	<6 dB: 5 – 1000 MHz.
Connectors	One BNC 75 ohm male One RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
Maximum Distance Cat5e/6	SD: Up to 110m (375ft) using Cat 5 UTP , up to 120m (400ft) for CAT 5E UTP, up to 150m (500ft) for CAT 6 UTP . HD: Up to 30m (100ft) using Cat 5 UTP , Up to 45m (150ft) for CAT 5E or 6 UTP . Note: Maximum distance is function of the receiving equipment equalizer.
RJ45 Pin Configuration <i>Use EIA/TIA 568A or 568B straight-through wiring.</i>	RJ45 Link Pin 7 (R) Pin 8 (T) <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
Cables	One straight Cat 5e/6 or better twisted pair cables required.
Temperature	Operating: 20° to 50°C Storage: -30° to 70°C Humidity: Up to 95% non-cond.
Enclosure	Cast aluminium
Dimensions	0.8" x 1.85" x 1.05" (2 x 2.6 x 4.7 cm) L x H x W + extended BNC connector.
Weight	1.5 oz (44 gms)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	Lifetime
Order Information	500701 HD-SDI Balun 500701-2PK HD-SDI Balun, 2-Pack

Typical Applications

