

### Overview

The HD-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 2.97/3.0 Gbps uncompressed, un-encrypted digital video (optionally including embedded Audio and/or Time Code) within television facilities and between professional video equipment.

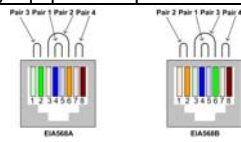


### Key Features

- Supports SD, HD and 3G 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	
<b>Environment</b>	SDI single link : SD, HD & 3G.
<b>Devices</b>	Camcorders, video processors, monitors, projectors, scan converters, HD-CCTV cameras/DVR and any equipment supporting HD-SDI single link
<b>Standard supported</b>	SD: SMPTE 259M (270Mb/s) HD: SMPTE 292M 3G: SMPTE 424M.
<b>Speed</b>	270Mb/s, 1.485Gb/s & 2.97 Gb/s (automatic selection).
<b>Insertion Loss per balun</b>	<6 dB: 5 – 1500 MHz.
<b>Connectors</b>	One BNC 75 ohm male One RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
<b>Maximum Distance Cat5e/6</b>	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 . 3G: Up to 15m (50ft) for CAT 6 UTP only. Note: Maximum distance is function of the receiving equipment equalizer.
<b>RJ45 Pin Configuration</b> <i>Use EIA/TIA 568A or 568B straight-through wiring.</i>	<b>RJ45 Link</b> Pin 7 (R) Pin 8 (T) 
<b>Cables</b>	One straight Cat 5e/6 or better twisted pair cables required.
<b>Temperature</b>	Operating: 20° to 50°C Storage: -30° to 70°C Humidity: Up to 95% non-cond.
<b>Enclosure</b>	Cast aluminium
<b>Dimensions</b>	0.8" x 1.85" x 1.05" (2 x 2.6 x 4.7 cm) L x H x W + extended BNC connector.
<b>Weight</b>	1.5 oz (44 gms)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500701 HD-SDI Balun 500701-2PK HD-SDI Balun, 2-Pack

## Typical Applications

