

Overview

The HD CCTV Pass-Thru Balun with Cable Leads (500720-CL) allows one HD CCTV (HD-SDI) video channel plus remote power and PTZ control to be transmitted between the HD CCTV camera and the DVR via Cat5e/6 cable in the HD CCTV environment. The 500720-CL is used in conjunction with either another 500720-CL or in conjunction with the 500700 or 500721.



Features

- HD-SDI video, power and PTZ over one Cat5e/6
- Supports SD & HD (720p, 1080i)
- Works in pairs or with 500720 or 500721
- Supports Cat5e/6 cable

Applications

Campus, highways, airports, hotels, casinos, commercial complexes, remote parking lots, self-storage, hospitals, car dealerships.

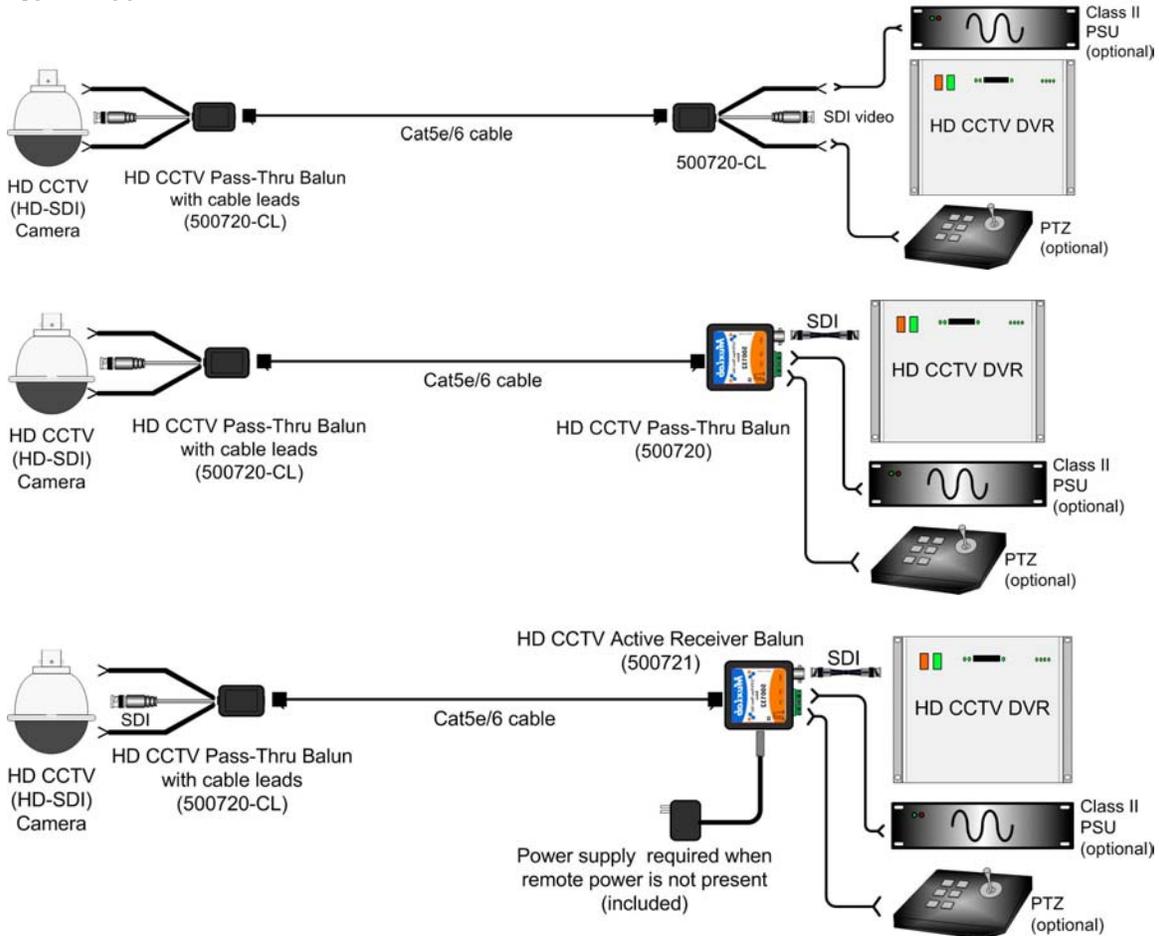
Specifications	
Environment	HD CCTV; SDI single link : SD & HD
Signal transmission	Signal: SDI (no analog), Power: 12VDC or 24VAC 2A max, Control signal: any signal using a balanced pair, 1A max.
Devices	HD-SDI CCTV cameras, monitors, DVR HD CCTV equipment.
Standard supported	SD (270 Mb/s): SMPTE 259M (480i, 576i) HD (1.485 Gb/s):: SMPTE 292M (720p, 1080i)
Compatible baluns	500720, 500720-CL, 500721
Speed	270Mb/s & 1.485Gb/s
Insertion Loss per balun	<6 dB: 5 – 1000 MHz.
Connectors	One BNC 75 ohm male cable lead One 2-wire cable lead for remote power One 2-wire cable lead for PTZ control One RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
Maximum distance	When used with another 500720 or 500720-CL SD: 120m (400ft) for CAT 5E UTP 150m (500ft) for CAT 6 UTP HD (720p, 1080i):45m (150ft) using Cat 5E UTP 45m (150ft) for CAT 6 UTP When used with 500721: SD: 150m (500ft) for CAT 5E UTP 150m (500ft) for CAT 6 UTP HD (720p, 1080i): 45m (150ft) using Cat 5E U TP 45m (150ft) for CAT 6 UTP Note: Maximum distance is dependent on the receiving equipment. Dedicated Cat5E/6 cables are recommended with no patch panels
Remote Power	Supports up to 20VA/2A via two (2) twisted pairs Supports up to 30VA/2A via three (3) twisted pairs Maximum voltage: 28V
Cable – UTP	24 gauge or lower solid copper twisted pair wire. Impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Cable – Coax	Impedance: 75 Ω at 1 MHz. (RG59/U)

Head Office

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RJ45 Pin Configuration	Signal	RJ45 pin
*Reverse polarity sensitive if 12VDC camera is used	Power A (+) *	1, 3
	Power B (-) *	2, 6
	Control (+)	4
	Control (-)	5
	SDI Video BNC Center (Tip)	7
	SDI Video BNC Ground (Ring)	8
Connectors	Video: BNC-M PTZ: 2-wire cable lead	Remote Power: 2-wire cable lead Cat5e/6 Link: RJ45S
Temperature	Operating: -40° to 60°C (-40° to 140°F) Storage: -40° to 85°C (-40° to 185°F)	
Humidity	Maximum 95% (non-condensing)	
Enclosure	Cast Aluminum	
Dimensions	2 x 2.6 x 4.7 cm (0.8" x 1.85" x 1.05") excluding cables	
Weight	2 oz (60g)	
Regulatory	FCC and CE.	
Warranty	Lifetime	
Order Information	500720-CL	HD CCTV Pass-Thru Balun with Cable Leads

Typical Applications



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