

Active HD CCTV Receiver Balun 500721

Overview

The Active HD CCTV Receiver Balun (500721) provides extended distance between an HD-SDI CCTV camera and an HD-SDI DVR via Cat5e/6 cable. The product supports up to 150 ft (45m) via Cat5e cable at HD (720p, 1080i) resolution when used in conjunction with MuxLab's HD CCTV Pass-Thru Balun (500720).

Furthermore, the 500721 allows remote power and 2-wire PTZ control to be combined with HD-SDI video over the same Cat5e/6 for optimized cabling.

Applications

Campus, airports, hotels, casinos, commercial complexes, residential, self-storage, hospitals, car dealerships.





Features

Supports HD CCTV (HD-SDI)
Supports up to 150 feet (45m) @ HD-SDI (720p, 1080i) via Cat5e cable
Supports video, remote power and control over one Cat5e/6
Use in conjunction with 500720
LED diagnostics: power and SDI sync
Supports MuxLab mounting accessories
(500900/902/910/915)

Specifications			
Environment	HD CCTV , HD-SDI		
Devices	HD CCTV/HD-SDI cameras, monitors, DVR HD-SDI equipment		
	Signal: SDI (no analog signal) Power: 12VDC or 24VAC 2A max		
Signal transmission			
11 0 15 10	Control signal: any signal using a balanced pair, 60V 1A max		
Max. Distance via Cat5e/6	SD: 150m (500ft) for CAT 5E UTP,		
Heima 2501 (76m) BOC Cons	150m (500ft) for CAT 6 UTP.		
Using 250' (76m) RG6 Coax	HD (720p, 1080l): 45m (150ft) using Cat 5E UTP,		
	45m (150ft) for CAT 6 UTP		
	Note: Maximum distance is affected by receiver equipment. Dedicated		
	Cat5E/6 cables are recommended with no patch panels.		
LED Diagnostics	One for power One for SDI signal present		
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)		
RJ45 Pin Configuration*	Signal	RJ45 Pins	
*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-F Remote Power: 2-pole screw terminal block		
	PTZ: 2-pole screw terminal block Cat5e/6 Link: RJ45S		
	Power connector		
Compatible baluns	500720, 500720-CL		
Compatible mounting	500902, 500900, 500910, 500915		
hardware			
Power Requirements	12VDC 90mA, coming from the same power line as source		
•	24VAC 60mA, coming from the same power line as s		
		al wall mount power supply included	

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Head Office

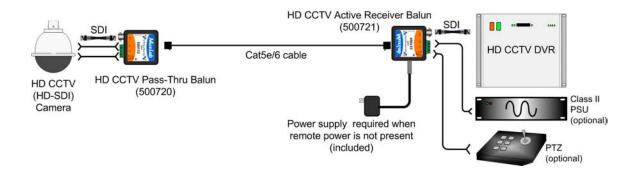
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Temperature	Operating: -25° to 60°C (-13° to 140°F) Storage: -40° to 85°C (-40° to 185°F) Humidity: Max 95% (non-condensing)	
Enclosure	ABS UL94HB fire retardant plastic	
Dimensions	2.40" x 2.25" x 1.0" (6.1 x 5.7 x 2.54 cm)	
Weight	2 oz. (70g)	
Regulatory	FCC and CE.	
Warranty	2 years	
Order Information	500721 Active HD CCTV Receiver Balun	

Typical Applications



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