

Single Channel Passive Video Balun

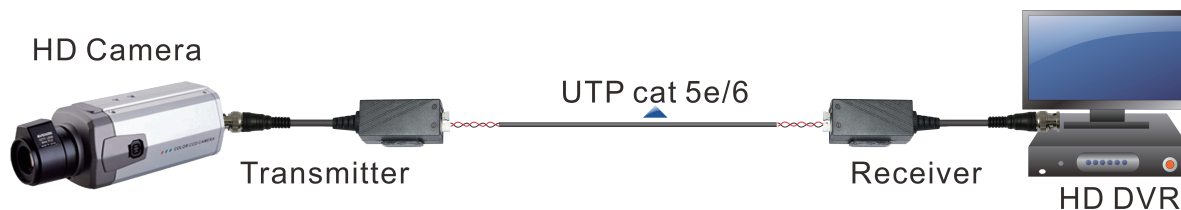
LTAB4020T



Key Features:

- Real-time transmission over UTP cat5e/6
- Compatible with all HD-TVI/CVI/AHD/CVBS analog cameras
- Built-in solid state TVS (Transient Voltage Suppressor) for surge protection
- Push-pin terminal with pigtail
- Copper pin BNC connector, connectable style

Application Diagram



Note:

1. The actual transmission distance will vary according to specific camera, DVR and on-site environment
2. Please make sure to install transmitter at camera side and receiver at DVR side to achieve best video quality
3. If you adjust saturation of DVR, video transmission distance could be farther (HD-CVI 720P: max up to 470m(1541ft))
4. If chromatic aberration occurs, please also adjust saturation, the picture will recover perfectly automatically.
5. The device is not waterproof and not to be used at outdoors

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System parameters						
Applied Devices	CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment					
Video parameters						
Video Format	HD-TVI/CVI/AHD/CVBS					
Operating Frequency	DC to 42MHz					
Max Distance	HD-TVI 720P 250m(820ft)	HD-TVI 1080P 250m(820ft)	HD-TVI 3MP 200m(656ft)	HD-TVI 4MP 200m(656ft)	HD-TVI 5MP 200m(656ft)	
	HD-CVI 720P 440m(1443ft)	HD-CVI 1080P 230m(754ft)	HD-CVI 4MP 230m(754ft)	CVBS 400m(1312ft)		
	HD-AHD 720P 320m(1049ft)	HD-AHD 960P 320m(1049ft)	HD-AHD 1080P 250m(820ft)	HD-AHD 3MP 180m(590ft)	HD-AHD 4MP 200m(656ft)	HD-AHD 5MP 200m(656ft)
Common-mode/Differential-mode rejection	15KHz to 42MHz 60 dB type					
Impedance	Coax: Male BNC 75Ω unbalanced; UTP: push-pin terminal block 100Ω balanced					
Attenuation	1.5 dB typ Max					
Wire Type						
Network Wiring	One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0.5-1.31mm)					
Category Type	2 or better					
Impedance	100 ± 20 ohms					
DC Loop Resistance	52 ohms per 1,000ft (18 ohms per 100m)					
Differential Capacitance	19 pF/ft max (62 pF/m max)					
Connector						
Video input/output	Male BNC connector					
Video input/output	Tool-less push-pin terminal block					
Protection						
Surge Protection	renewable solid state surge protection					
Video Input	2KV(common mode), 10/700us IEC61000-4-5/1955(GB/T 1726, 5-1999)					
Video Output	2KV(different mode), 10/700us IEC61000-4-5/1955(GB/T 1726, 5-1999)					
Mechanical						
Housing	ABS engineering plastic					
Body Color	Black					
Dimensions(LxWxH)	180x16x17.6mm(7.09x0.63x0.69") (BNC connector & cable excluded)					
Net Weight	40g(0.088lb)					
Power						
Power	No external power required					
Environmental						
Ingress protection level	IP 54					
Power supply	AC 16V to 24V					
Power frequency	50 Hz to 60 Hz					