BL-1H18

HD Video Balun

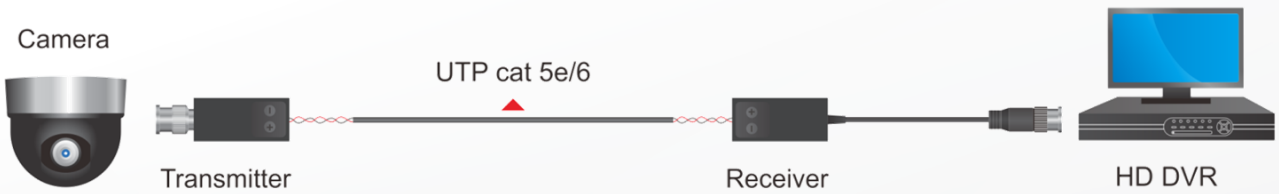
The BL-1H18 video balun is a passive device that allows the transmission of real-time CCTV HD video signal via cost-effective Unshielded Twisted Paired (UTP) cable.



Key Feature

- Real-time transmission over UTP cat5e/6
- Compatible with all HD-TVI/CVI/AHD/CVBS analog camera
- Low crosstalk and noise suppressions
- Exceptional interference rejection
- Video & audio signals transmit over one twisted pair cable synchronously
- Wave Filter Design, Anti-Static Design
- Built-in solid state TVS (Transient Voltage Suppressor) for surge protection
- ABS engineering plastic housing

Typical Application



Specification

Model		BL-1H18
Properties	Transmission Signal	1 channel
	Transmission Distance	Non-POC： max 400m POC： max 150m
	Category Type	UTP CAT 5E/ 6
Video Transmission Properties and Port	Coaxial Video Connector	BNC-M
	Twisted-pair Video Connector	Tool-less push-pin terminal block
	Compatible Format	HD-TVI/CVI/AHD/CVBS
	Resolution	720P/960P/1080P/3MP/4MP/5MP/8MP/4K
	Ant-interference	>60dB
Protection	ESD	Contact discharge electricity level3
		Air discharge electricity level3
		Per: IEC61000-4-2
	Coaxial Cable Connector	2KV (common-code) Per: IEC61000-4-5
	UTP Cable Connector	2KV (different-code), 2KV (common-code) Per: IEC61000-4-5
Impedance	BNC Male	75 ohms
	UTP Cable	100 ohms
Physical Properties	Shell	ABS engineering plastic
	Color	Black
	Dimensions (L x W x H)	175.3*15.4*17.8mm (BNC connector & cable excluded)
	Weight	39g
Stability	MTBF	>10000h
Environment	Operating Temperature	-20℃ ~55℃
	Storage Temperature	-40℃ ~ 150℃
	Humidity	0-95% (non-condensing)

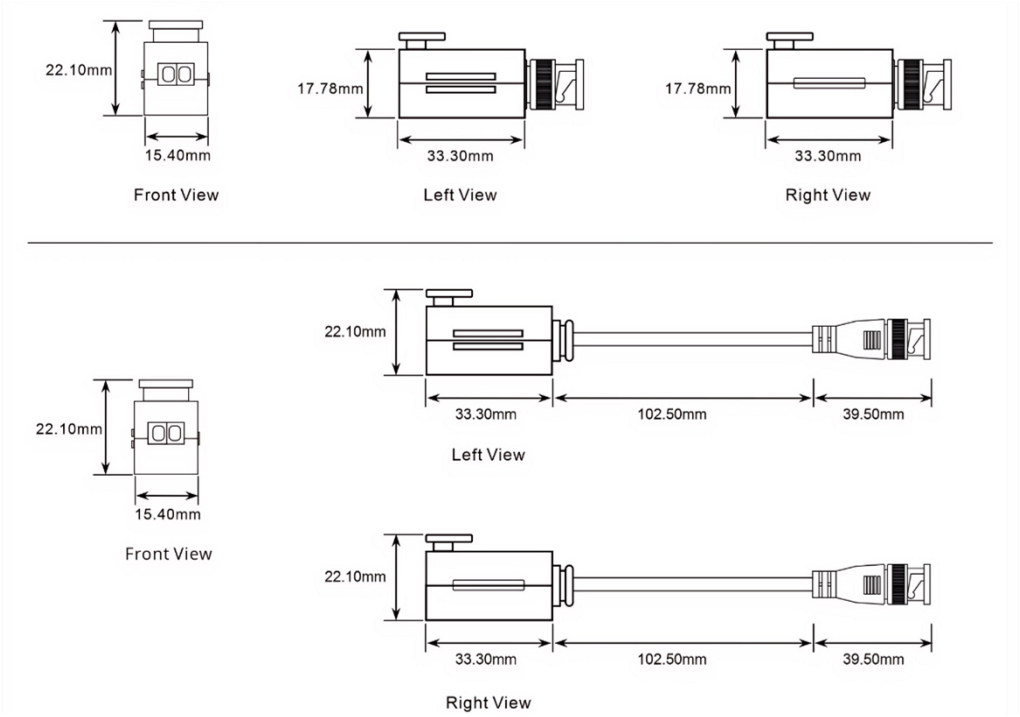
Transmission distance

Camera Type	HD-TVI (Non-POC)	HD-TVI (POC)	HD-CVI	HD-AHD
720P camera	350m(1148ft)	150m(492ft)	400m(1312ft)	450m(1476ft)
960P camera	/		/	350m(1148ft)
1080P camera	250m(820ft)	150m(492ft)	250m(820ft)	250m(820ft)
3MP camera	250m(820ft)	150m(492ft)	250m(820ft)	250m(820ft)
4MP camera	200m(656ft)	150m(492ft)	200m(656ft)	200m(656ft)
5MP camera	200m(656ft)	150m(492ft)	200m(656ft)	190m(623ft)
4K camera	150m(492ft)	150m(492ft)	150m(492ft)	140m(459ft)
CVBS camera	400m(1312ft)			

Note：

This distance chart is only for reference, the actual testing distance is related to the on-site environment, testing equipment and cables. Please refer to the actual testing distances!

Dimension



▪ Available Model

BL-1H18

See Far, Go Further

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