



## HD Mini CAT5 Video Pigtail Balun

### HD BK MINI 2

The HD BK MINI 2 video balun is a passive (non-amplified) device that allows the transmission of real-time CCTV video signal via cost-effective Unshielded Twisted Paired(UTP) cable. Baseband (composite) signals of any type are supported. The HD BK MINI 2 has a mini-coax pigtail lead which allows quick mounting onto fixed cameras and allows in-camera mounting in most dome cameras.

Push-pin terminal block allows tool-less connection of UTP cable output. Used in pairs, HD BK MINI 2 eliminates costly and bulky coaxial cable, allowing live CCTV colour video signal up to 1312ft (400m). HD BK MINI 2 is also compatible with all the other BalunKing passive transceiver for application at distance up to 1312ft(400m) and active receiver up to 2296ft(700m).

The superior interference rejection and low emissions of the HD BK MINI 2 allow video signals to coexist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant.

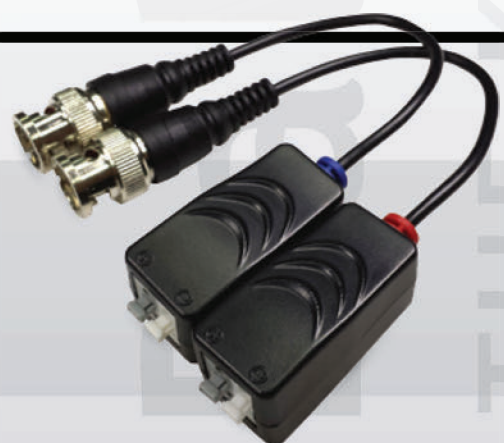
HD BK MINI 2 has built-in surge suppressor to protect video equipment against damaging voltage spikes. Its crosstalk and noise immunity ensure quality video signals.

### KEY FEATURES - Single Channel Passive Video Transceiver ( Tool-less Balun)

- Full-motion colour video signal up to 1312ft(400m) and monochrome (B&W) up to 1968ft(600m) via UTP cat5e/6
- NTSC, PAL & SECAM video format compatible
- Real-time transmission
- No power required
- Reliable UTP push-pin terminal block
- Tool-less installation within less than 1 minute
- Male BNC with extended 5.9inch(150mm)mini-coax pigtail
- Exceptional interference rejection
- Built-in TVS(Transient Voltage Suppressors) for surge protection
- Lightning protection design Grade:III
- 50 dB crosstalk and noise immunity
- Compact size and easy installation • ABS engineering plastic housing

## SPECIFICATION

Model	HD BK MINI 2		
Product Name	Single Channel Passive Video Transceiver		
Applied Devices	CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment		
Video			
Video Format	PAL, NTSC, SECAM		
Operating Frequency	DC to 5MHz		
Max Distance	UTP Category 5e (24AWG)	colour: 1312ft(400m)	B&W: 1968ft(600m)
Common-mode/Differential-mode rejection	15 KHz to 5 MHz    60 dB typ		
Impedance	Coax, Male BNC	75Ω unbalanced	
	UTP, two push-pins 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)		
Power			
Power Input	No external power required		
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 IEC6100-4-5/1955(GB/T 1726, 5-1999)		
Video Output	2KV(different mode), 10/700us IEC6100-4-5/1955(GB/T 1726, 5-1999)		
Mechanical			
Housing	ABS engineering plastic		
Body Colour	Black		
Dimensions(L*W*H)	38.4*18.6*19.5mm (BNC connector & cable excluded)		
Net Weight	40g		
Environmental			
Operating Temperature	-20° ~ 70° C		
Relative Humidity	0~95% (non-condensing)		
Storage Temperature	-40° ~ 150° C		



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