



Passive Video Balun with Power Connector



Model: VBU110TK = VBU110TM + VBU110TF as a Kit

VBU110TM = Male Only

VBU110TF = Female Only

Features:

- Uses an Unshielded Twisted Pair cable (UTP), like CAT5, to transmit full motion camera video signal in color up to 1000ft / 300m, and in B/W up to 2000ft / 600m.
- No power required for video balun.
- **Surge / Lightning Protection**
10/700 μ s Pulses: 2KV
Standard: IEC61000-4-5
- **ESD : Electrostatic Discharge Protection**
Contact Discharge: 6KV / Air Discharge: 8KV
Standard: IEC61000-4-2
- **Wave / Interference Rejection & Noise Filter**
Built-in Filter: 0~6HMz with Extra Interference Rejection <60db
- DC Power Lead: 12V~24V DC



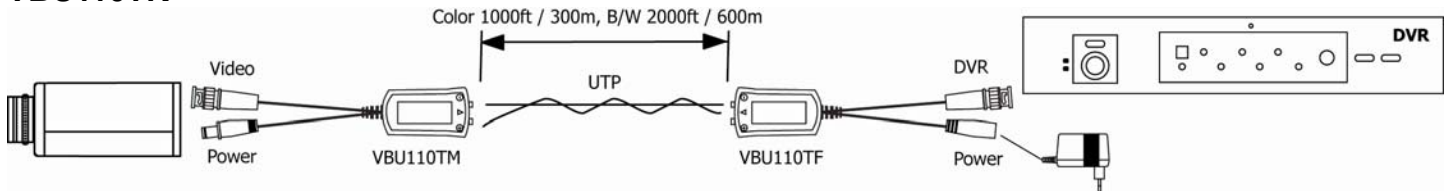
VBU110TM - Male
For Camera Side



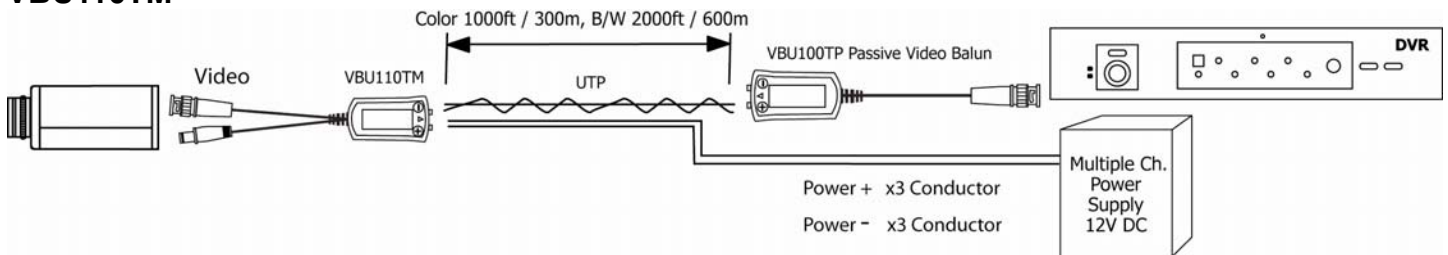
VBU110TF - Female
For Using Single Power Adaptor

Application Diagram: The distance shown is for video signal only. Refer to back page for Voltage Drop List.

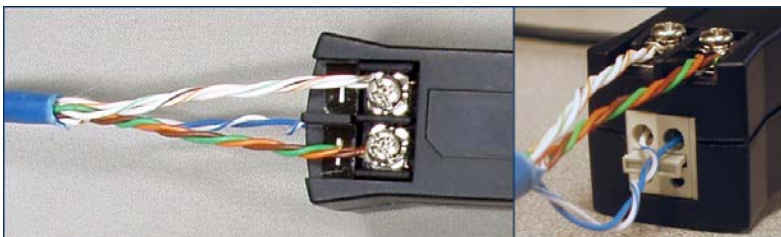
VBU110TK



VBU110TM



Wiring Diagram:



Power +	x3 Conductors
Power -	x3 Conductors
Video +	x1 Conductor
Video -	x1 Conductor

CAT5e is 24 Gauge for each Conductor. If you put 3 Conductors together, it will be Similar to 18~20 Gauge. This will be less for the Power Drop.

Specification:

Model Number		VBU110TK
Video Input / Output		BNC male cable & DC male/female to RJ45 modular jack
Surge / Lightning Protections	Video Output Protection	2KV (common mode), 10/700µs IEC6100-4 2/1955 (GB/T 1726, 5-1999)
	Video Input Protection	2KV (different mode), 2KV (common mode) IEC6100-4 2/1955 (GB/T 1726, 5-1999)
	Video Input Protection for Over Current	100mA
Electrostatic Discharge Protection (ESD)		Contact Discharge: 6KV / Air Discharge: 8KV Standard: IEC61000-4-2
Wave / Interference Rejection & Noise Filter Protection		Built-in Filter: 0~6HMz with Extra Interference Rejection <60db
Video Signal		1V p-p, 75 Ohms
Transmission Distance		Color 1000ft / 300m / B/W 2000ft / 600m
Cable		UTP / Twisted Pair CAT5 (AWG24)
DC Power Lead		12V~24V DC

*Specifications are subject to change without notice

FCC CE RoHS

Voltage Drop According to Cable Length (24AWG):

Transmission Distance	Transmission Voltage (12V DC, 0.5A)	Transmission Voltage (12V DC, 1A)	Transmission Voltage (12V DC, 1.5A)
160ft / 50m	13.5V	15.5V	17.0V
320ft / 100m	15.5V	18.5V	22.0V
500ft / 150m	17.0V	22.0V	27.0V
650ft / 200m	18.5V	25.5V	32.0V



Caution:

- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.