

Passive Video Balun with Power Connector

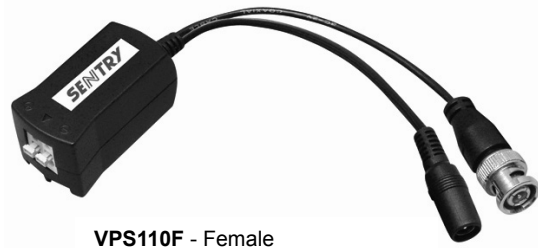
Model: **VPS110K** = VPS110M + VPS110F as a Kit
VPS110M = Male Only
VPS110F = Female Only

Features:

- Uses an Unshielded Twisted Pair cable (UTP), like CAT5, to transmit full motion camera video signal in color up to 300 m / 1000 ft and in B/W up to 600 m / 2000 ft.
- 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



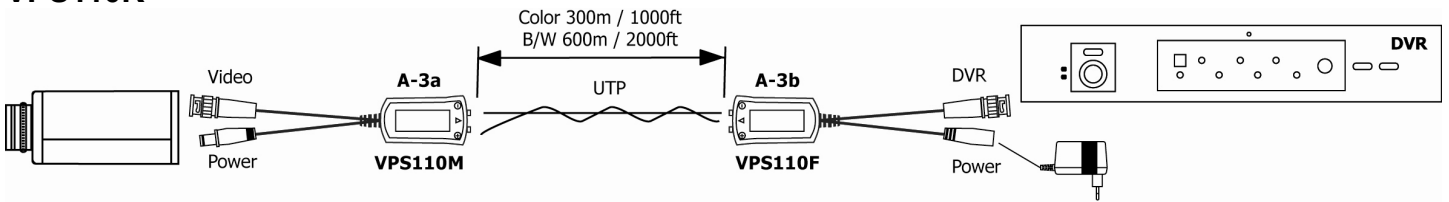
VPS110M - Male
 For Camera Side
 A-3a



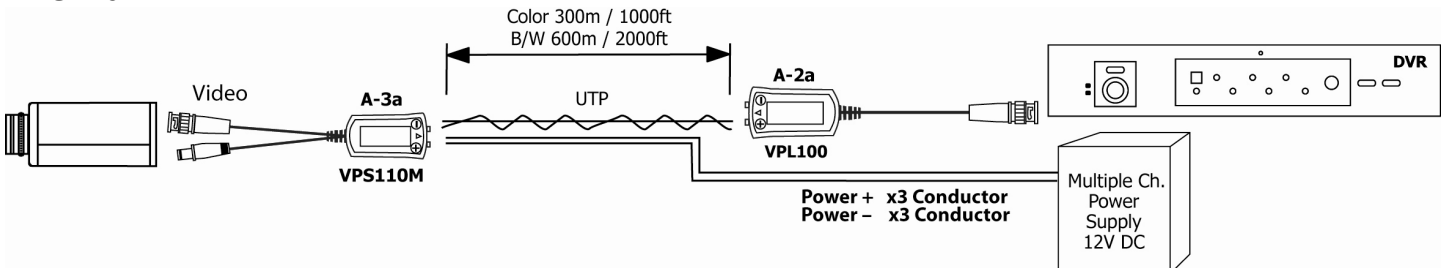
VPS110F - Female
 For Using Single Power Adaptor
 A-3b

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

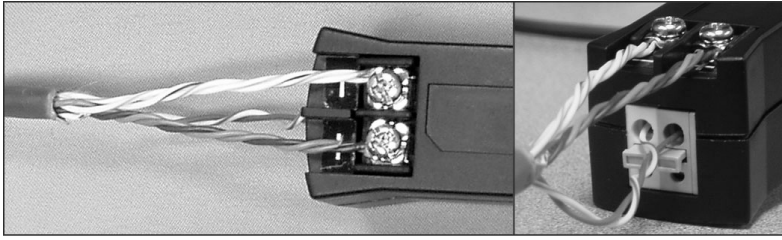
VPS110K



VPS110M



Wiring Diagram:



Power +	x3 Conductors
Power -	x3 Conductors
Video +	x1 Conductor
Video -	x 1 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		VPS110K - Kit	
		VPS110M - Male	VPS110F - Female
Video Input / Output		BNC male cable & DC male/female to RJ45 modular jack	
Surge / Lightning Protections	Video Output Protection	2kV (common mode), 10/700 μ s Standard: IEC61000-4-2	
	Video Input Protection	2kV (different mode), 2kV (common mode) Standard: IEC61000-4-2	
	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 300 m / 1000 ft ; B/W 600 m / 2000 ft	
Cable		UTP / Twisted Pair CAT5 (AWG24)	
DC Power Lead		12V~24V DC	
Physical Properties	Dimensions L x W x H	214 x 25 x 24 mm / 8.43 x 0.98 x 0.94 inches	
	Weight	42.5 g / 1.5 oz	42.5 g / 1.5 oz

*Specifications are subject to change without notice

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)
50 m / 160 ft	13.5V	15.5V	17.0V
100 m / 320 ft	15.5V	18.5V	22.0V
150 m / 500 ft	17.0V	22.0V	27.0V
200 m / 650 ft	18.5V	25.5V	32.0V

List of Components:

- One (1) set of Passive Video Balun with Power Lead
 - One (1) with Male Power Connector
 - One (1) with Female Power connector
- One (1) User Manual

Caution:

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

