

Passive Video/Power Lead Balun – RJ45

Model: VPJ110K = VPJ110M + VPJ110F as a Kit

VPJ110M = Male Only

VPJ110F = Female Only

Features:

- Uses an Unshielded Twisted Pair cable (UTP), 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

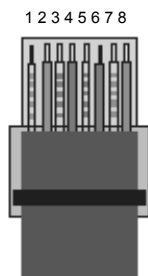
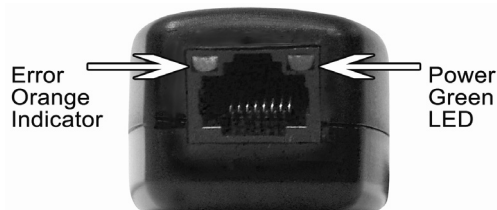
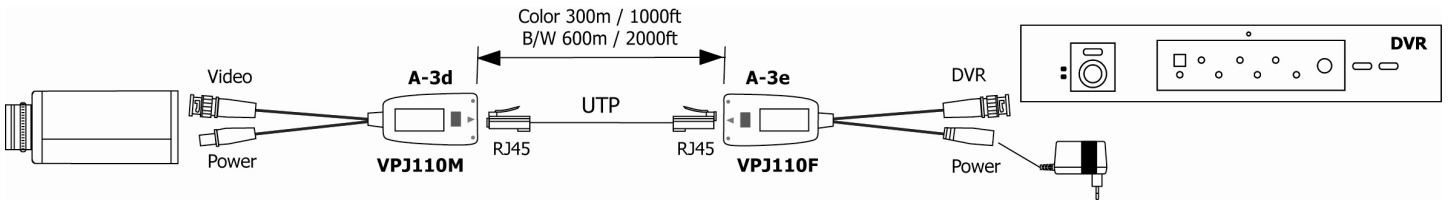


VPJ110M - Male
For Camera Side



VPJ110F - Female
For Using Single Power Adaptor

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



Wrongfully mixing the colors may result in burning the camera.

Pin	T568B Pair	T568B	Character
1	2	White/Orange Stripe	Video +
2	2	Orange Solid	Video -
3	3	White/Green Stripe	Power -
4	1	Blue Solid	Power -
5	1	White/Blue Stripe	Power -
6	3	Green Solid	Power +
7	4	White/Brown Stripe	Power +
8	4	Brown Solid	Power +

Specification:

Model		VPJ110K - Kit	
		VPJ110M - Male	VPJ110F - Female
Video Input / Output		BNC male cable & DC male to RJ45 modular jack	BNC male cable & female to RJ45 modular jack
Surge / Lightning Protections	Video Output Protection	2kV (common mode), 10/700µs 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	Dimension L x W x H	225 x 32 x 21 mm / 8.86 x 1.26 x 0.83 inches	
	Weight	51g / 1.8 oz	51g / 1.8 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 RJ45 Passive Video/Power Lead Balun
 - 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.

