



# Passive Video & Power Transceiver for 12V DC / 24V AC Camera

Use with VB1624AC-1U for 16-channel video, power over CAT5 RJ45 connection  
**Model: VB110AC3**

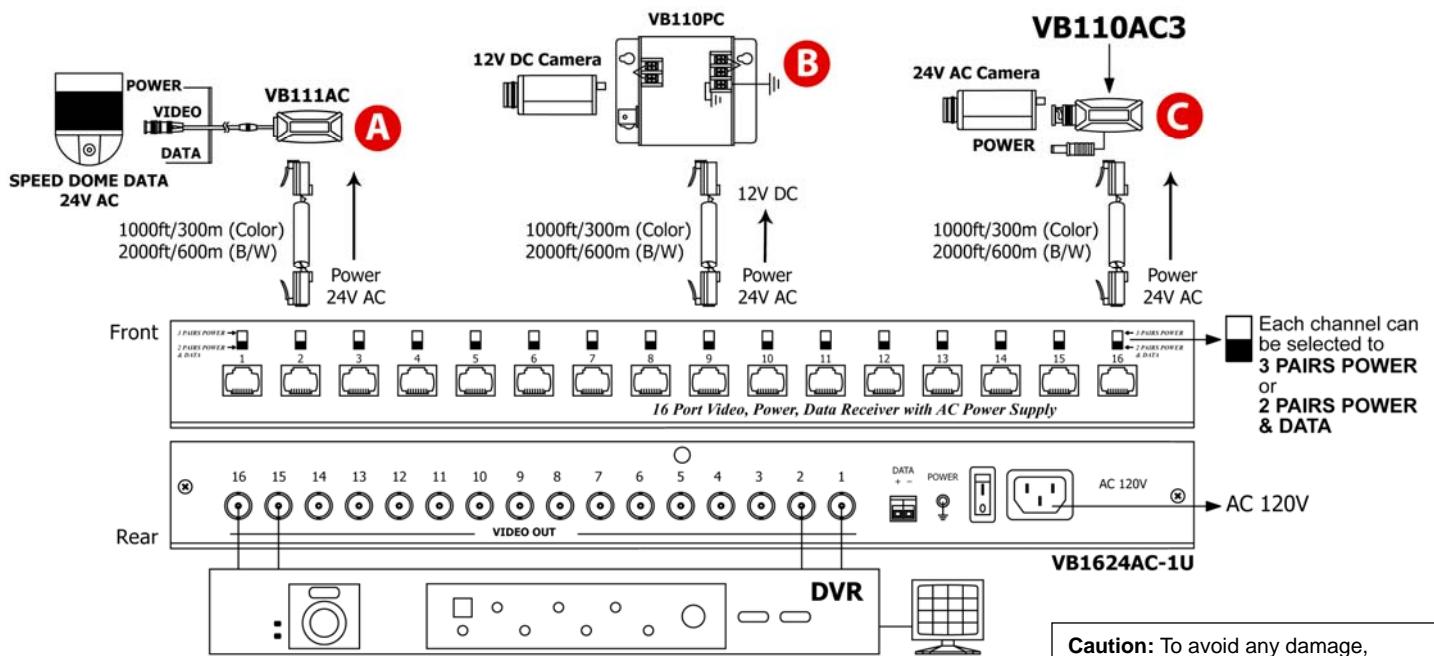


## Features:

- Video (one pair) and remote power (3 pairs) transmission over one UTP CAT5 cable.
- Transmission range up to Color 1000ft / 300m, B&W 2000ft / 600m (max.)
- BNC for video, power cord for power, RJ45 female for video and power.
- Eliminates costly coaxial cables and minimize installation time.
- **Use with VB1624AC-1U for 16-channel video, power over professional CAT5 RJ45 connection.**  
*(For 24V AC usages, please cut the BNC DC male jack)*



## Wiring Diagram:



**Caution:** To avoid any damage, VB1624AC-1U cabling is not able to connect any Ethernet or PoE network with outside plant routing.

## Related Products:

**VB1624AC-1U**  
16-CH Passive Video, Power, Data Receiver



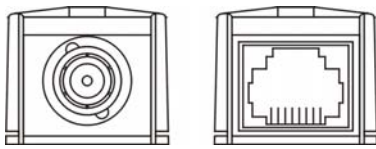
**VB111AC**  
Video, Power, Data Transceiver



**VB110PC**  
Video & Power Transmitter



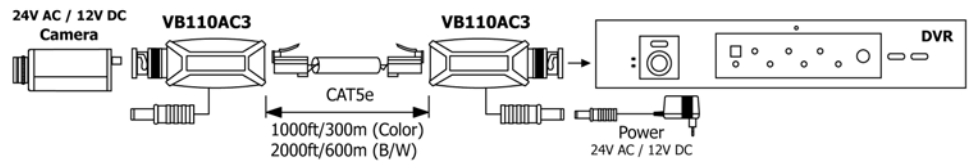
## Panel View:



Front

Rear

## Optional Wiring:



(For 24V AC usages, please cut the BNC DC male jack)

## Specification:

<b>Model</b>	<b>VB110AC3</b>	
Video (BNC Connector)	1 (1V p-p, 75 Ohms)	
Transmission Interface	RJ45	
Transmission Distance	Color 1000ft / 300m, B&W 2000ft / 600m	
Cable	UTP CAT5 Cable (24 AWG)	
Power	Dual Power 24V AC / 12V DC	
Storage Temperature	-30°C ~ 70°C	
Operation Temperature	-10°C ~ 45°C	
Weight	70 g	
Dimension W x H x D mm	69 x 25 x 22	
Material	PVC Black	

FCC CE RoHS

## Switch Setting:

Three (3) pairs power ----- working with VB110AC3 or VB110PC

## RJ-45 Jack Pin Define for Camera Connection

RJ - 45 Jack	
PIN	Color Function
1	W-O Power- or Data+
2	O Power+ or Data-
3	W-G Power -
4	BL Power +
5	W-BL Power -
6	G Power +
7	W-BR Video +
8	BR Video -

## 24V AC Power Distance Chart over UTP CAT5 Cable:

CAT5 Cable (24 AWG)	Actual Voltage Camera at 21V	
Power	2 Pairs / 24V AC	3 Pairs / 24V AC
100mA	1000ft / 300m	1000ft / 300m
300mA	300ft / 100m	700ft / 225m
1Amp	100ft / 30m	150ft / 45m

## Caution:

- Do not connect this device to any power source.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.