



Passive Video & Power Converter for 12V DC Camera

Use with VB1624AC-1U for 16-channel video, power over CAT5 RJ45 connection
Model: VB110PC



Features:

- Video (one pair) and remote power (2 or 3 pairs) transmission over one UTP CAT5 cable.
- Built-in AC to 12V DC regulated power converter, 1000mA (max.) .
- Built-in switch to set unit for “2-pair power through” or “3-pair power through” mode.
- **For 12V DC camera use, the power sources convert from VB1624AC-1U 24V AC power for professional CCTV Industry Installation.**
- 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.**

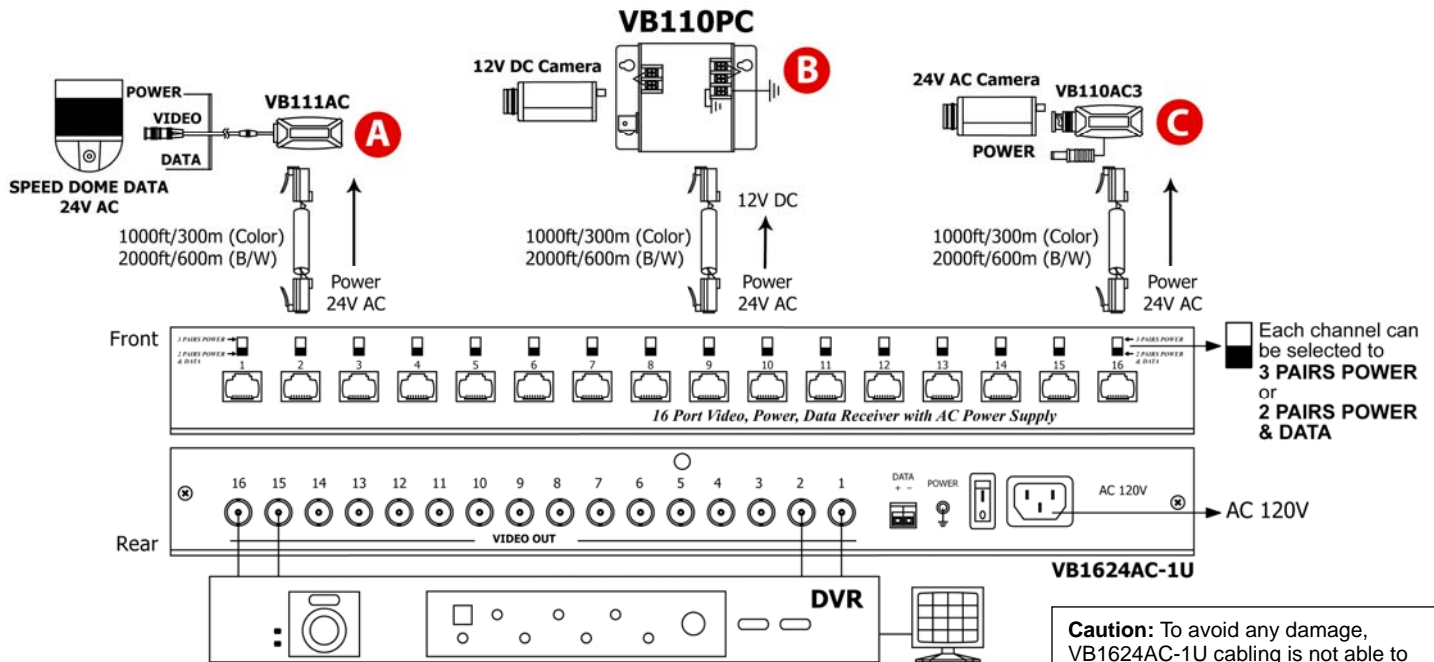


Front



Rear

Wiring Diagram:



Related Products:

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



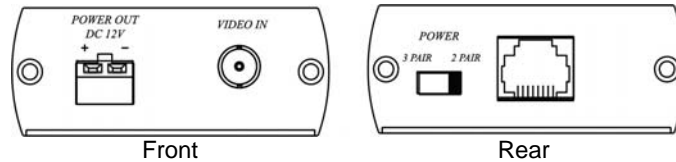
VB111AC
Video, Power, Data Transceiver



VB110AC3
Video & Power Transceiver



Panel View:



Specification:

Model	VB110PC	
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)	
Input Power	20V~28V AC; 16V~30V DC	
Output Power	12V DC Regulated	
Output Current	1000mA (MAX)	
Storage Temperature	-30°C ~ 70°C	
Operation Temperature	-10°C ~ 45°C	
Weight	200 g	
Dimension W x H x D mm	87 x 67 x 27	
Material	Metal 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	
	2 Pairs / 24V AC	3 Pairs / 24V AC
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.