



16-CH Passive Video, Power, Data CCTV Hub w/ AC Power Supply in 1U Rack Mounting Hub Receiver



Model: VB1624AC-1U

The 16-channel VB1624AC-1U CCTV hub is using standard CAT5 & RJ45 structured building wiring to carry video, power and data for simplifying short range installation by centralizing power and reducing installation labor costs. The built-in 8Amp 24V AC power supply could support a distance camera loads up to 500mA per channel. Each port has a built-in switch to set the unit to power up for 2 pairs or 3 pairs. This device can be used with VB110AC3, VB110PC, and VB111AC at camera side to send video, power or data for cabling that runs Color 1000ft/300m, B&W 2000ft/600m (max).

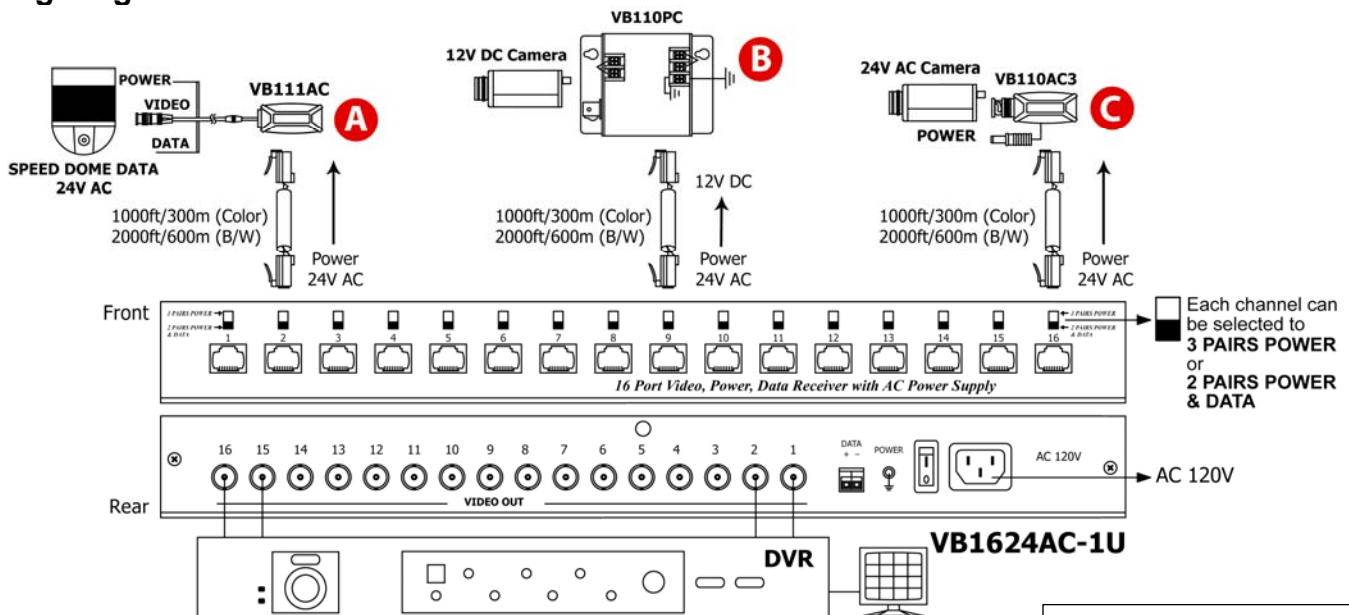
Features:

- Integrates and sends video, power, & data over a UTP CAT5 cable up to Color 1000ft / 300m, B&W 2000ft / 600m.
- Built-in switch at each port to set unit for "2 pairs power + 1 pair data mode" or "3 pairs power mode".
- Power cameras via 2 pairs or 3 pairs UTP cable for variety distances (please refer to distance chart on page 2).
- Use with VB111AC video, power, data combiner at the camera side to send video, power and data.
- Use with VB110PC for 12V DC camera to convert power sources from VB1624AC-1U 24V AC to 12V DC.
- Use with video power Transceiver VB110AC3 at camera side to send video and power only.
- 8Amp 24V AC power, each port output current up to 1.1Amp for camera; max. up to 8 Amp.
- Built-in "no fuse breaker" to avoid current overload.
- Built-in PTC (positive temperature coefficient) for short protection and auto rework on each port.
- Perfect cable management solution from the camera to the wiring station control room
- 1U Rack Mountable

A
B
C



Wiring Diagram:



Related Products:

VB111AC
Video, Power, Data Transceiver



A

VB110PC
Video & Power Transmitter



B

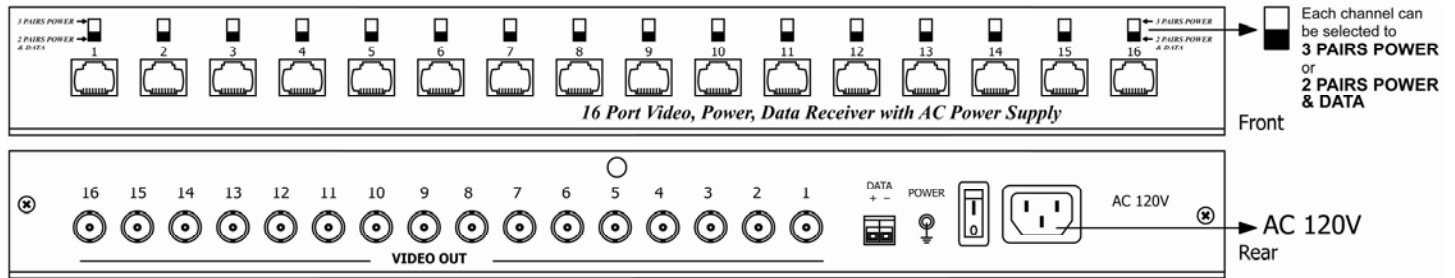
VB110AC3
Video & Power Transceiver



C

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

Panel View:



Specification:

Model	VB1624AC-1U
Video, Power, Input	16 x RJ45 Connector For 16-Port
Transmission Interface	RJ45
Transmission Distance	Color 1000ft / 300m, B&W 2000ft / 600m
RJ45 with LED indication	Yellow LED on: power go though, Green LED: No Function
Data Input Port	1-Port (Terminal Block)
Video Output (BNC Connector)	16-Port, 1Vp-p, 75 ohms
Input Power	120V AC, 8Amp
Output Power	24V AC / Each Port Output Current is 1.1Amp (Max.)
Recommend Cable	UTP CAT5 Cable (24 AWG)
Storage Temperature	-30°C ~ 70°C
Operation Temperature	-10°C ~ 45°C
Weight	5700 g
Dimension W x H x D mm	482 x 170 x 44 (1U)
Material	Metal Black

FCC CE RoHS

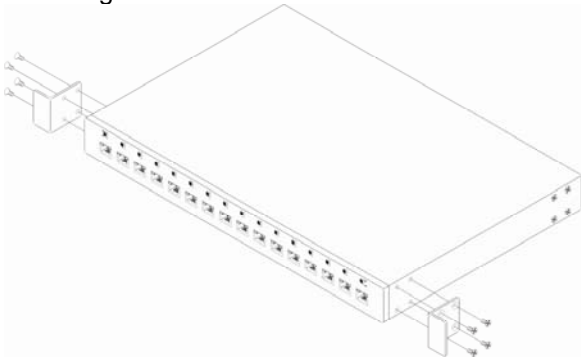
Switch Setting:

Three (3) pairs power ----- working with VB110AC3 or VB110PC
 Two (2) pairs power & data ----- working with VB111AC

Rackmount Installation:

Package includes two mounting brackets and eight (8) screws.

Place the mounting brackets onto the left and right sides of the rack enclosure. Use two (2) screws to secure the mounting brackets.



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