

Multi-Channel Active Video Receiver



Dip Switch Series

About 4/8/16 Active Video Receiver Hub

- ▶ Receives real-time Color or Black & White video signal
- ▶ Extends video up to 3,900ft when used with an Active Transmitter via standard UTP cat5e/6
- ▶ Extends video up to 2,200ft when used with a Passive Transmitter via standard UTP cat5e/6
- ▶ Manual Distance Adjustment switches for optimum picture quality at any length run up to 3,900ft
- ▶ Built-in interference rejection enables wire bundling with other low-voltage lines
- ▶ Built-in surge protection, ground loop isolation, gain and loss control, and video detection
- ▶ Compatible with CAT5/CAT5e/CAT6/CAT7 cabling
- ▶ Works with generic power supplies from DC/AC 9V to 24V (not included) for 4 port active receiver hub; AC100-250V for 8 and 16 port active receiver hub

RJ45: Terminate the incoming CAT5/5e/6/7 twisted pair wires into your RJ 45 connector in the following fashion: (See Pin Assignment for 4/8/16 chart)

Uses with Active Transmitter

Dip Switch Series: 4/8/16 port Active Video Receiver Hub can be coupled with 1/4/8/16 Active Video Transmitter as part of a multi-camera CCTV systems at any length run up to 3,900ft/1200m

Uses with Passive Transmitter

Dip Switch Series: 4/8/16 port Active Video Receiver Hub can be coupled with 1/4/8/16/32 Passive Video Transmitter/Transceiver as part of a multi-camera CCTV systems at any length run up to 2,200ft

Installation and Operation

- ▶ Before permanently securing the unit for final installation of cabling behind walls or ceilings, test for proper operation of the unit and the cables in your system.

Video Connections

4/8/16 port active receiver hub features two input options for video reception; a RJ45 port labeled “UTP In” and a Phoenix Connector labeled “UTP In”. It is recommended that only one of the two options be utilized as the CAT5/5e/6/7 input.

Phoenix Connector: Secure twisted pair wires into “Video +” and “Video -” of Phoenix Connector block by loosening screws, inserting twisted pairs, and tightening screws until connection is secured. If using shielded CAT cabling, you may insert shield into Pin 3 of Phoenix Connector.



	1	2	3	4	5	6	7	8
568A	White Green	Green	White Orange	Blue	White Blue	Orange	White Brown	Brown
568B	White Orange	Orange	White Green	Blue	White Blue	Green	White Brown	Brown

Power Connections

Secure + and - power wires into “Power” inputs (Pin1 and Pin2) of Phoenix Connector in the same fashion as securing Video connections. Positive (+) and Negative (-) polarity can be inserted into any of the two “Power” inputs. Insert Ground Wire into Pin 3 if desired.



- ▶ This icon is for earth connection.
- ▶ Ground connection is necessary to reach optimum picture quality.
- ▶ Ground connection is necessary to protect the product.

