

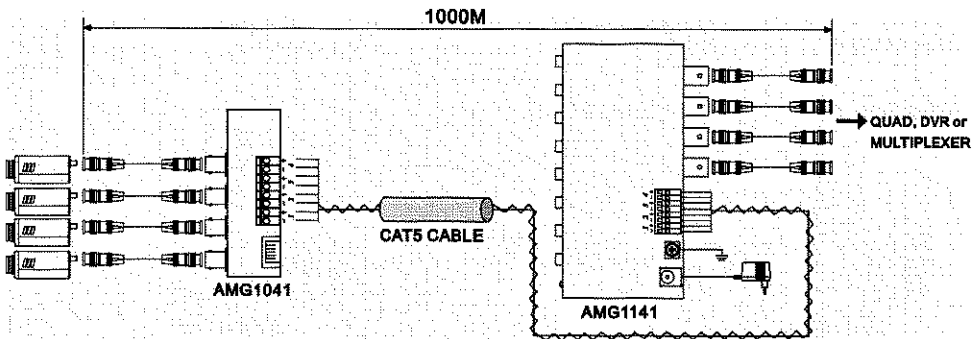
## Long Range Twisted Pair Transmission System – Active Series

ITEM NO.: AMG1141 4 channel Active Receiver Hub

### Features:

- Transmit a full motion color or monochrome video signal and data signal (RS422, RS485), Color range 1500 meters, B/W video signal up to 2400 meters.
- System is integrated with alarm sensor (PIR, Magnetic, etc.) or data. (Pan, Tilt, Zoom).
- Built in transient protection and ground lifting, damaging voltage spike problems are eliminated.
- Red LED: Power on / off.
- **AMG1141: 4 channel active receiver hub, built in 4 pieces AMG1112.**

### Installation View:



Use AMG1041 4 channel passive video transceiver as transmitter to work with Active AMG1141 receiver, transmission range 1Km. Use AMG1111 transmitter to work with AMG1141, transmission range 1500 meters at color, 2400 meters at B/W.

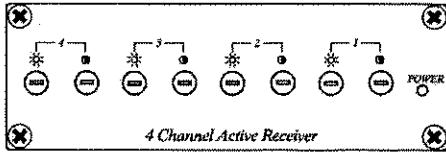
### Troubleshooting:

All transmission distances mentioned above are without connecting image processor (e.g. Quad, Multiplexer, DVR), the transmission range would be reduce 100-200meters upon different camera, cable,DVR...ect.

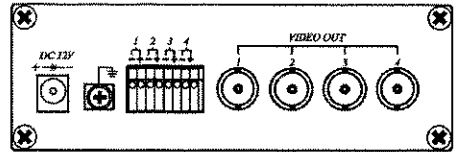
1. These products are designed for long range transmission, the unit built in video amplifier function, If your transmission range under 100 meters, the video gain function is too big to have snow or wavy, bright image occurred. Recommend to use them with range at least over 100 meters or alternate passive video transceivers AMGXXX series for short range transmission as well as cost saving.
2. Both of he active receiver has "5 position distance range switch" for different range transmission. Please switch to appropriate range upon your application to avoid any weak or bad image.
3. For color camera transmission, color signal would be degradation upon longer range, please alternate the receiver to TTA111VH model for color gain function.

**Panel View:**

Front View



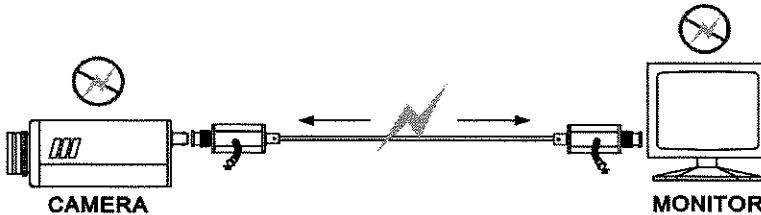
Rear View



**Option:**

To protect high value camera and CCTV image processor/monitoring equipment destroyed from high voltage surges from nearby lightning strikes, the long-range twisted pair cable go through outdoors. To add surge protection AMG1216 device on the back of camera and front of CCTV image processor/monitoring equipments. Small money to save high value CCTV equipments.

**ITEM NO: AMG1216 SURGE PROTECTOR**



Recommend WT104PE Outdoor CAT5 UTP Twisted Pairs cable with PE jacket and steel wire, and use surge protector AMG1216 to avoid the damage of twisted pair system under lightning, thunderstorm weather environment.

**Specification:**

<b>ITEM NO.</b>	<b>AMG1141</b>
VIDEO OUTPUT	1 Vp-p · 75 Ohms (BNC Connector)
DC INPUT	DC 12V
POWER CONSUMPTION	150mA(max)
VIDEO GAIN ADJUSTING	VR adjustment
DIMENSIONS W x H x D mm	120x133x44

