

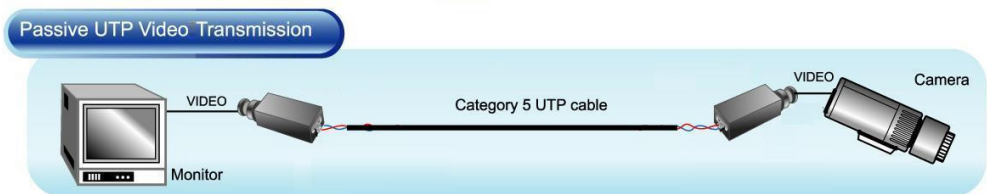
Product Overview:



◇ Product Feature:

- **Compact Size, Directly plug into DVR.**
- **Passive, No power required.**
- **300M (Color) / 600M (B/W) video transmission over Category 5 UTP Cable.**
- **Fast, easy installation, save cable and labor costs.**

◇ Product Application Diagram



◇ Installation Notes:

1. Please use point-to-point Unshielded Twisted Pair wire, 24-16 AWG, Category 2, 3, 4, 5, or 6.
2. Please measure the wire distance, Use only transceivers that are designed for that distance.
3. Please make sure the pair of wires carrying the video signal is sent as a twisted pair (e.g. the Blue-white/White-blue wires twisted together as a pair), not a “split-pair” (e.g. blue-white conductor, part of one pair / orange-white conductor, part of another pair).
4. Strongly recommend using **two pairs** of wires carrying the power signal. (e.g. 1 pair for “+”, Another for “-“)
5. Please make sure the electro polar of power wires are correctly identified before you plug the power core into the camera. (i.e. “+” for “+”, “-“ for “-“.)

❖ **Installation Warning:**

1. Please **DO NOT USE SHIELD TWISTED PAIR WIRE**. This will cause severe degradation on distance performance and reduce the inherent interference immunity.
2. Please **DO NOT** have “bridge-taps” or loading coils in installation.
3. If the phone company provides the cable runs between buildings, make sure it’s “dry copper”.
4. Due to near-end crosstalk, don’t send a transmitted and a received signal in the same wire bundle.
For safety, **DO NOT** put PTT signals in the same conduit as high-voltage wiring.

❖ **Troubleshooting:**

If the problem as faint or blurry picture; little or no color, then possible causes include: if the

1. Verify that wire is unshielded twisted pair cable. Multi-pair cable with an overall shield is OK.
2. Longer wire distance than expected. Be sure to include any coaxial cable that’s part of this distance and verify end-to-end connectivity with an ohmmeter.
3. Poor connection at a punch-block.
4. Check the camera if set correctly of the focus and iris. Verify with portable monitor.

❖ **Specification:**

Model / Item	Video Balun
Wire Cable	UTP Category 2 or better cable
Video Bandwidth	DC to 5 MHz
Insertion Loss	Less than 2 dB /pair over the frequency from DC to 5 MHz
Return Loss	Greater than 15 dB over the frequency from DC to 5 MHz
Common Mode Rejection	Greater than 40 dB @ 5 MHz
Impedance	BNC: 75Ω; Terminal Block: 100 Ω
Connector	BNC & Terminal block
Environmental	-20 °C~70 °C, Humidity: 0 to 95% (non-condensing)
Dimension	45 x 13 x 12 mm
Weight	25 g