

## PVT-120V

Passive twisted pair transceiver



The Ernitec PVT-120V is a Passive Video Transceiver, also known as a balun, for transmission of analogue PAL/NTSC video signals on unshielded twisted pair (UTP) cables instead of using coaxial cables.

The PVT-120V does not require power and can be used as both a transmitter and a receiver. In that case, the transmission distance is 150m without any noticeable signal degradation and up to 300m with about 2.5 dB loss.

- Video transmission up to 150 m with passive receiver
- Video transmission up to 1000 m with active receiver
- Male BNC connector for direct connection to camera, matrix, DVR or monitor
- No power required
- Exceptional interference rejection
- Small size

The PVT-120V can also be combined with an active receiver such as the Ernitec BVR-65. In that case, the transmission distance is up to 1000m.

The small size of the PVT-120V means it can be installed inside the backbox of the popular Mercury series of vandal-resistant cameras.

D1

25/FPS

# Specification

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|                         |  |
|-------------------------|--|
| Connector and impedance | 75 $\Omega$ BNC and 100 $\Omega$ screw terminals                   |
| Insertion loss          | Less than 2dB/pair @ DC to 5 MHz                                   |
| Return loss             | > 15 dB @ DC to 8 MHz  |
| Common mode rejection   | > 40 dB @ 5 MHz  |
| Distance                | 150 m<br>300 m @ -2.5 dB loss<br>1000m with BVR-65 active receiver |
| Temperature             | 0 to 50°C  |
| Humidity                | < 95%, non-condensing  |
| Dimension               | 45 x 13 x 12 mm  |
| Weight                  | 25g  |
| Ordering information    | 0040-01304   |
| Related products        | BVR-65 Active receiver   |

