

VIDEO BALUN TRANSCEIVER WITH MALE PIGTAIL

Features

- Quality video up to 1,000 ft. (305m) when used with another balun or passive receiver
- Camera quality video up to 3,000ft. (915m) when used with a Kenrik active receiver
- Supports “up-the-coax” control signals to 750ft (225m)
- Live NTSC, PAL, and SECAM composite video format
- Compatible with all passive baluns and UTP enabled cameras
- Accepts UTP wire bundles containing power, telecom or network traffic
- Coax pigtail supports in-camera housing for most domes
- Built-in transient (surge) protection
- No power required
- Designed and manufactured in the USA

KR1001PB Passive Pigtail Balun (with surge protection)



Overview

The Kenrik KR1001PB is a passive video transceiver balun that converts real-time color or monochrome composite (CCTV) video from a 75-ohm BNC connector to a 100-ohm Unshielded Twisted Pair (UTP) screw terminal connector. As a transceiver, this balun is bidirectional so it can be used on both ends of a video path to complete an inexpensive point-to-point transmission over UTP for up to 1,000 feet (305 m).

Due to high-grade components the KR1001PB offers excellent interference rejection, allowing the signal to travel within telecom or network cabling systems. The KR1001PB also allows up-the-coax signals on the same twisted pair wire (up to 750 feet) and comes standard with surge protection.

UTP Guidelines

Protected, yet easily accessible screw terminals are used to connect the unshielded twisted pair wires on one end of the balun, while the other end of the balun uses a male BNC to connect directly onto any video source or receiver unit. The baluns' six-inch mini coax pigtail allows the entire balun to fit inside most dome or camera enclosures.

A basic system of two passive (non amplified) baluns can be connected by UTP cable for up to 1,000 feet (305 m). Distances up to 3,000 feet (915 m) can be achieved by using a Kenrik active (amplified) receiver at the head-end. If many channels of video need to be transmitted (under 1,000 feet), then a multi-channel passive receiver hub is your better choice at the head-end.

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Video

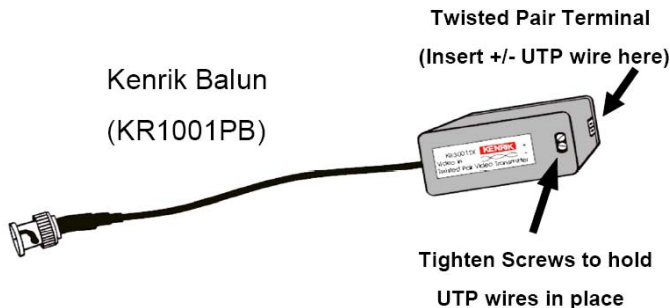
Video Format	NTSC, PAL, SECAM
Frequency	DC to 6 MHz
Transient Immunity	IEC 61000-4-2 (ESD) IEC 61000-4-4 (EFT) IEC 61000-4-5 (Lightning)
Wire Type	100 Ohm, 24 AWG min Unshielded Twisted Pair
Wire Category	Cat 3 or better

Environmental

Humidity	10 to 85%, non-condensing
Temperature	Operating: 0C to +60C (0 to 140F)
Warranty	Three year
Power	No power required

Mechanical

Unit Weight	.9oz, (.023kg)
Material	Hard form plastic
UTP Connector	Screw Terminal
Video output	One male BNC Connector to 75-Ohm Coax
Dimensions	2" x 1" x 3/4" (HxWxL) (Not including pigtail coax)



Ordering Information

PART **KR1001PB** Description: Passive Balun Transceiver
*Specifications subject to change without notice.

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Wire Recommendations

The Kenrik UTP line is designed for use with unshielded twisted pair (UTP) wiring that is 26AWG – 24AWG, or Category 3 and higher cable. It is not recommended to use individually shielded pair wiring. Traditional punch-down block terminals can be used if all resistive capacitive or inductive devices (example: T-taps) are removed. For more information, please review our Technical Document resources online or give us a call.