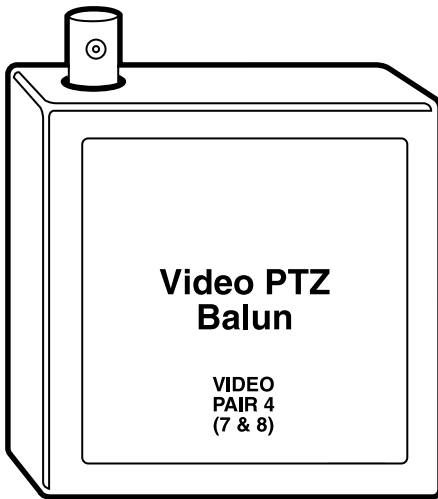


BLACK BOX[®]

NETWORK SERVICES

VIDEO PTZ BALUN



Use CAT3 or CAT5 twisted-pair cable instead of coax with your security or surveillance equipment.

Key Features

- ▶ **Works with Coaxitron™ and other similar PTZ camera-control systems.**
- ▶ **Eliminates coax cable in PTZ close-circuit TV surveillance systems.**
- ▶ **Works with Category 3 or Category 5 UTP cable.**
- ▶ **Used in pairs between PTZ controller and receiver.**
- ▶ **Maintains a steady video image while the system is idle.**
- ▶ **Velcro® mounting pad.**

Eliminate the expense of using coaxial cable with your security systems. The Video PTZ Balun connects your security or surveillance equipment via CAT3 or CAT5 twisted-pair cable. It's compatible with Pelco™ Coaxitron™, Vicon™ Vicoax, Videalarm™ Coaxlynx™, and other digital coax pan, tilt, and zoom (PTZ) security systems.

Perfect for campus and high-rise installations, the Balun spans the following distances:

- For Category 3 cable: *Color:* 1200 ft. (365.8 m), *Black and White:* 1500 ft. (457.2 m)
- For Category 5 cable: *Color:* 2200 ft. (670.6 m), *Black and White:* 2500 ft. (762 m)

Used in pairs, the Balun lets you integrate CCTV security and surveillance equipment into structured cabling systems. You can control PTZ devices from

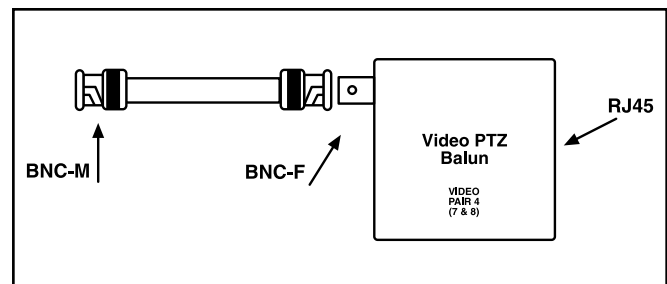
any convenient modular wall outlet to connect digital coax PTZ and video.

Use the Baluns in your system, and you'll have less downtime and quicker moves, adds, and changes, as well as neater wiring and smaller cable costs.

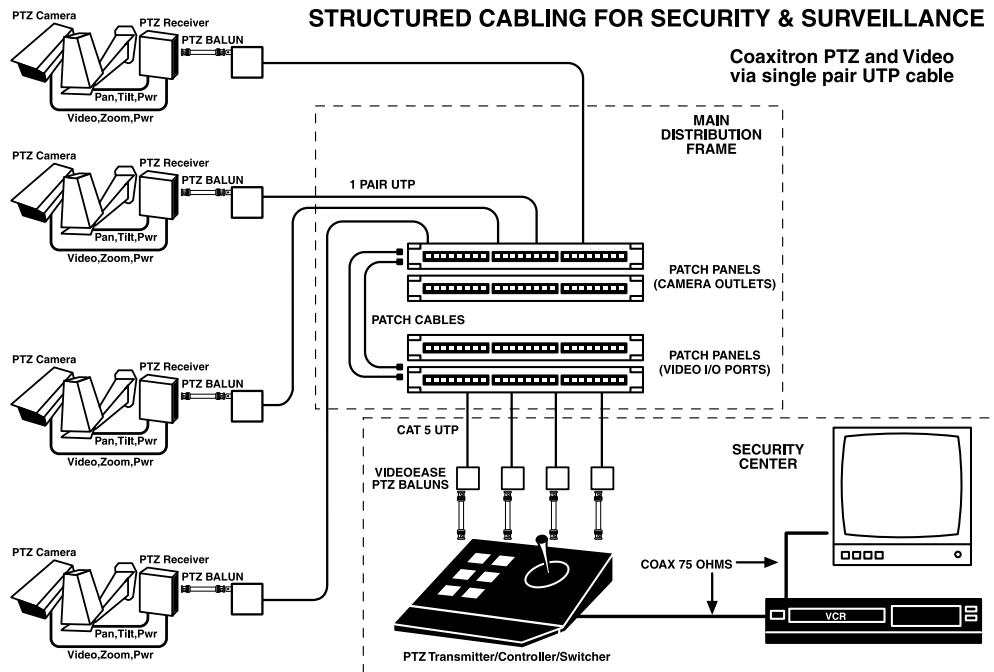
With a single four-pair CAT 5 cable, you can pass up to four signals. And there's no visible picture distortion from crosstalk!

What's more, the Balun helps your system maintain a steady video image when the system is idle.

Installing the Balun is easy. It comes with a separate coax lead. A handy Velcro strip is also included for mounting the Balun on the wall.



Transmit Coaxitron™ PTZ and Video with a single pair of CAT5 UTP cable.



Specifications

Devices Supported: CCTV cameras and pan, tilt, zoom (PTZ) controllers supporting one video and one PTZ signal over the same coaxial cable. Works with Pelco™ Coaxitron™, Vicon™ Vicoax, Videoalarm™ Coaxlynx™, and other digital coax pan, tilt, zoom control systems.

Environment: CCTV equipment for security and surveillance, NTSC, PAL, SECAM, Coaxitron™, RS-232, RS-422, Manchester, 24 VAC, 20 mA

Transmission: Transparent to the user

Bandwidth: Video: DC to 8 MHz

Maximum Input: 1.1 Vp-p

Insertion Loss: Less than 2 dB per pair over the frequency range from DC to 8 MHz

Return Loss: Greater than 15 dB over the frequency range from DC to 8 MHz

Common Mode Rejection: Greater than 40 dB @ 8 MHz

Maximum Distance:

Color: Category 3 cable: 1200 ft. (365.8 m), Category 5 cable: 2200 ft. (670.6 m);

Black and White: Category 3 cable: 1500 ft. (457.2 m), Category 5 cable: 2500 ft. (762 m)

Cable: UTP: 24 gauge or lower solid copper twisted-pair wire, Impedance: 100 ohms at 1 MHz, Maximum Capacitance: 20 pf/ft., Attenuation: 6.6 dB/1000 ft. at 1 MHz;

BNC: Impedance: 75 ohms at 1 MHz (RG59/U), Maximum 25 ft. (7.6 m) of coax allowed per end-to-end link

Connectors: (1) BNC female and (1) RJ-45 female; (1) coax cable included

Pin Configuration: RJ-45 pins 7 and 8, reverse-polarity-sensitive

Impedance: Input: 75 ohms (BNC); Output: 100 ohms (RJ-45)

Temperature: Operating: 0 to 55°C; Storage: -20 to +85°C

Enclosure: Fire-retardant plastic

Mounting Option: Velcro®

Size: 6.1 x 5.8 x 2.5 cm

Weight: 85 g

What the Package Includes

- (1) Video PTZ Balun
- (1) Cable with BNC male connectors on each end



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.

Ordering Information

ITEM	CODE
Video PTZ Balun.....	IC450A

NOTE: The Video PTZ Baluns must be used in pairs.

<i>Remember to order cable:</i> Twisted-Pair Cable	EYN737MS
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