Overview
The VideoEase CCTV Balun allows a single CCTV video signal to be transmitted via cost-effective unshielded twisted pair (UTP) cable.

Used in pairs, the CCTV Balun eliminates costly and bulky coaxial cable, allowing CCTV security and surveillance equipment to be connected using standard structured cabling techniques for neater and more streamlined cabling.

The CCTV Balun is available in two models; CCTV Screw Terminal Balun (500009) and CCTV Modular Balun (500000). Both models may be used interchangeably.

Benefits
Cost savings - eliminate costly coaxial cable
Quicker moves, adds and changes
Neater wiring

Features
Eliminates coax cable
Up to 2200 feet (670m) via Cat 5 UTP
Strain relief (500009)
Compact design
Low return loss
Lifetime warranty

Specifications	
Environment	Close-Circuit TV (CCTV) equipment for security and surveillance.
Devices	CCTV cameras , monitors, switchers, sequencers, multiplexers, digital video recorders (DVR) and other CCTV equipment.
Transmission	Transparent to the user.
Bandwidth	Video: DC to 8 MHz.
Maximum Input	1.1Vp-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
Max. Distance Colour	Cat 3 –1200 ft; Cat 5 – 2200 ft.* *less distance may result with DVR equipment. Typically 1,000 to 1,500 ft via Cat5*
Max. Distance Black & White	Cat 3 –1500 ft; Cat 5 – 2500 ft
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Cable – BNC	Impedance: 75 ohms at 1 MHz (RG59/U). Maximum 25 ft. of coax allowed per end to end link.
Connectors *Reverse polarity sensitive*	500000: RJ45 Pins 7&8 500009: Two (2) screw terminals
Impedance	Input: 75 ohms (BNC) Output: 100 ohms (RJ45)
Temperature	Operating: 0º to 55º C. Storage:-20º to 85º C. Humidity: up to 95%
Enclosure	ABS fire retardant plastic
Dimensions	500000: 1.75” x .75” x 1.00” (4.44cm x 1.9cm x 2.54cm) 500009: 2.30” x 0.62” x 0.62” (5.8cm x 1.57cm x 1.57cm)
Warranty	Lifetime
Order Information	500000 VideoEase CCTV Modular Balun 500009 VideoEase CCTV Screw Terminal Balun

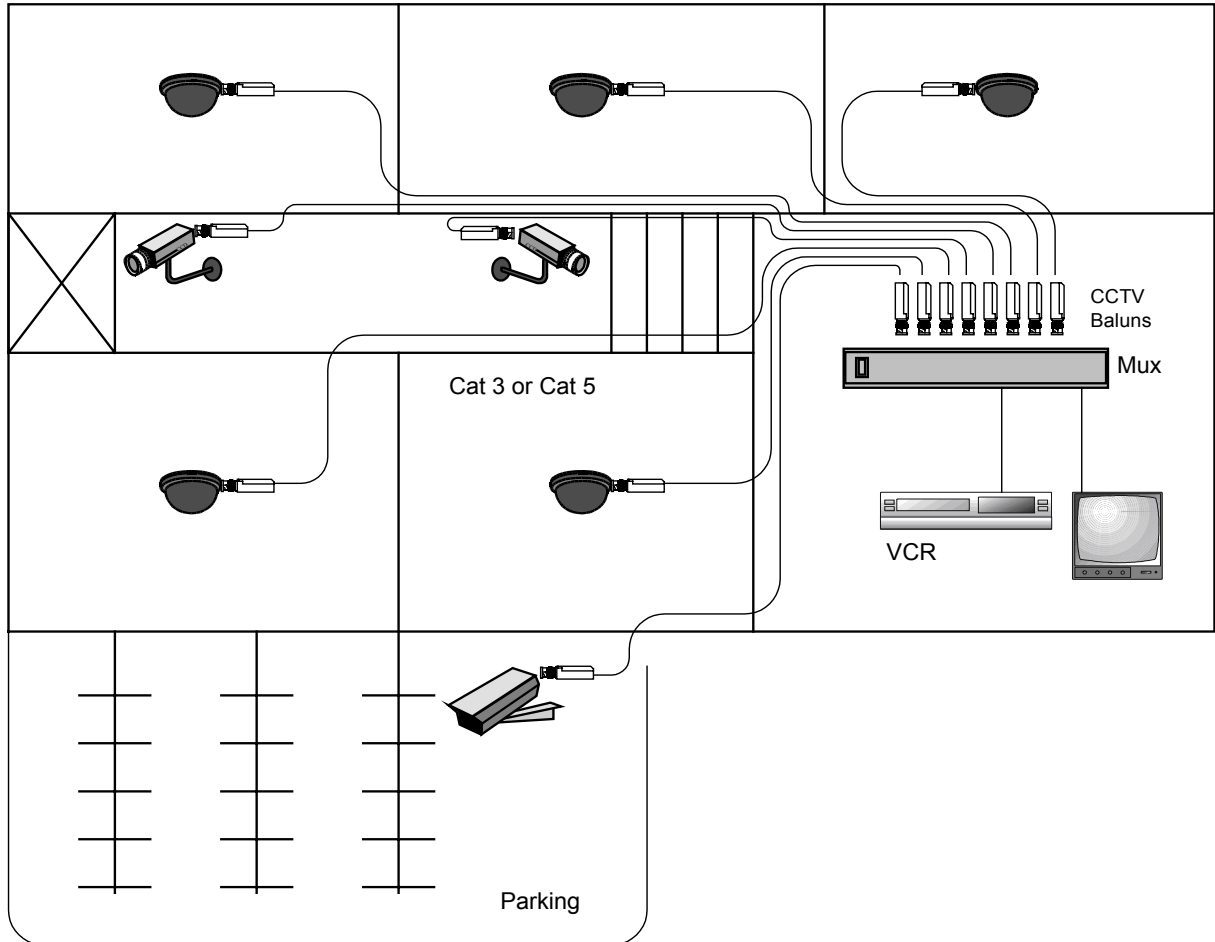**Head Office**
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Typical Application

CCTV Baluns

Mux

Cat 3 or Cat 5

VCR

Parking

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