

## Overview

The VideoEase CCTV Balun allows CCTV video signals to be transmitted via a single unshielded twisted pair (UTP) cable for more versatile cabling.

Used in pairs, the CCTV Balun eliminates costly and bulky coax cable, allowing CCTV security and surveillance equipment to be connected to any convenient modular outlet. The CCTV Balun features either RJ45 or screw terminals depending on the model for increased versatility.



## Benefits

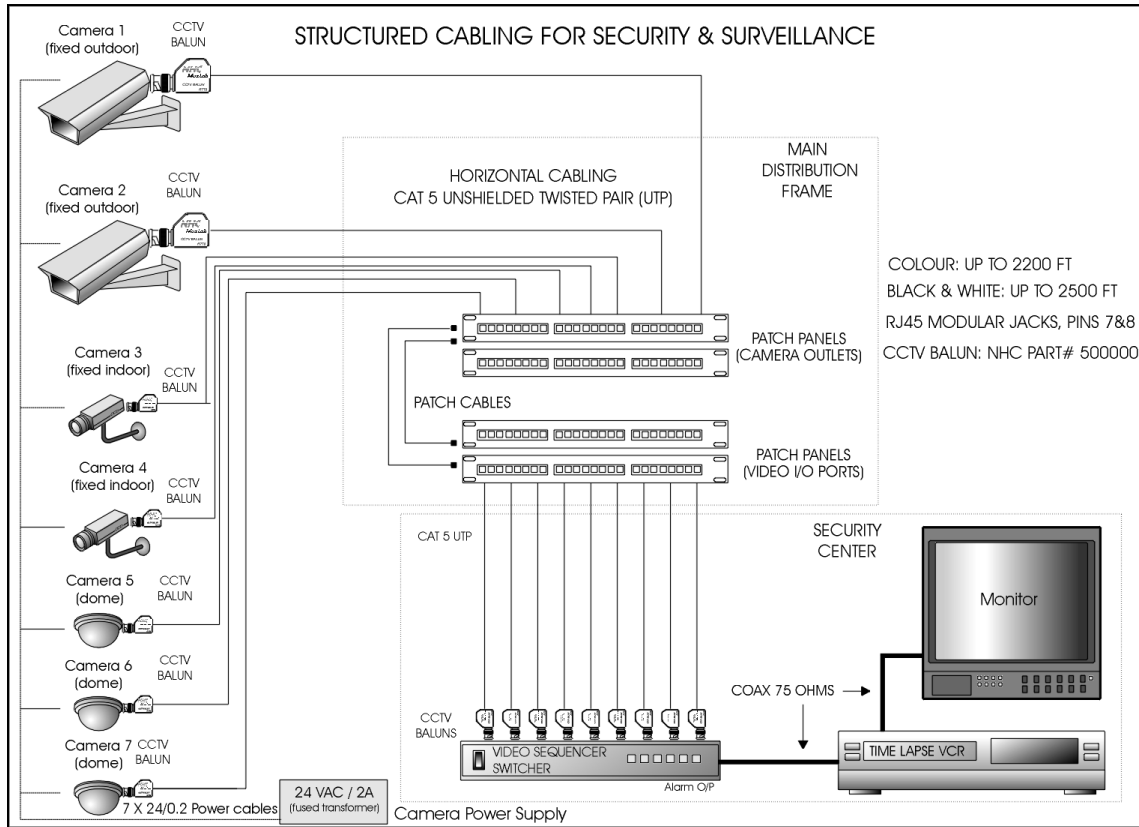
- Cost savings - eliminate costly coaxial cable
- Less down time - quicker moves, adds and changes
- Neater wiring

## Features

- Eliminates coax cable
- Up to 2200 feet via Cat 5 UTP
- Strain relief (Screw terminal version)
- Compact design
- Low return loss
- Lifetime warranty

Specifications	
<b>Environment</b>	Close-Circuit TV (CCTV) equipment for security and surveillance.
<b>Devices</b>	CCTV cameras , monitors, switchers, sequencers, multiplexers and other CCTV equipment.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	Video: DC to 8 MHz.
<b>Maximum Input</b>	1.1Vp-p
<b>Insertion Loss</b>	Less than 2 dB per pair over the frequency range from DC to 8 MHz
<b>Return Loss</b>	Greater than 15 dB over the frequency range from DC to 8 MHz
<b>Common Mode Rejection</b>	Greater than 40 dB @ 8 MHz
<b>Max. Distance Colour</b>	Cat 3 –1200 ft; Cat 5 – 2200 ft.
<b>Max. Distance Black &amp; White</b>	Cat 3 –1500 ft; Cat 5 – 2500 ft
<b>Cable – UTP</b>	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
<b>Cable – BNC</b>	Impedance: 75 ohms at 1 MHz (RG59/U). Maximum 25 ft. of coax allowed per end to end link.
<b>Connectors</b>	500000: RJ45 Pins 7&8 500009: Two screw terminals.
<b>Impedance</b>	Input: 75 ohms (BNC) Output: 100 ohms (RJ45).
<b>Temperature</b>	Operating: 0 to 55 C. Storage:-20 to 85 C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic
<b>Dimensions</b>	500000: 1.75" x .75 x 1.00"; 500009: 1.25 x 0.5 x 0.5"
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500000 VideoEase CCTV Balun, RJ45 500009 VideoEase CCTV Balun, Screw Terminals

## Typical Application



**Head Office**  
 5450 Cote-de-Liesse, Mount Royal, Quebec, H4P 1A5  
 Tel: (514) 735 2741 Fax: (514) 735 8057  
 Toll Free: 1 800 361-1965 Internet: www.nhc.com

**Europe Sales Office**  
 France (Paris)  
 Tel: (33) 1.41.99.99.20  
 Fax: (33) 1.41.99.99.21