

Overview

The VideoEase LongReach is an Active CCTV Receiver Balun that provides extended distance between the CCTV camera and the DVR or multiplexer via copper twisted pair cable.

The LongReach features Automatic Image Adjustment for picture brightness, sharpness and contrast, thereby helping to reduce on-site service calls. The LongReach supports up to 5,000 ft (1,5 km) via Category 5 twisted pair cable when used in conjunction with MuxLab's passive CCTV Baluns (500000 & 500009),

Applications

Campus, highways, airports, hotels, casinos, commercial complexes, remote parking lots, entry gates, self-storage, hospitals, car dealerships, prisons

Benefits

Plug-and-forget - eliminates service calls
Eliminates fiber, coax and active transmitters
For extended distance or marginal installations



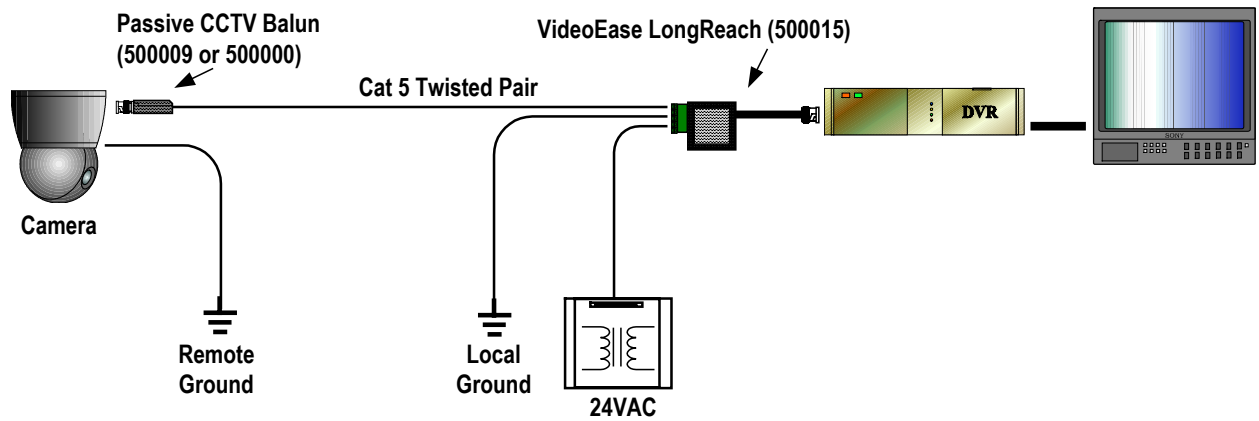
Features

- Up to 5,000 feet (1,524m) via Cat 5 UTP
- Supports NTSC and PAL
- Automatic Image Adjustment
- Requires 24VAC (not supplied)
- Ground Loop Blocking
- Voltage Surge Protection
- Auto-resettable fuse
- LEDs for power, video and ground loop fault
- Connects directly to DVR, multiplexer or switcher
- Works with MuxLab passive CCTV baluns
- Cable strain relief
- 1 year warranty

| Specifications | |
|---------------------------------------|--|
| Environment | CCTV equipment for security and surveillance. RS-343 (RS-170) NTSC, PAL |
| Devices | CCTV cameras, monitors, DVR, switchers, multiplexers and other CCTV equipment. |
| Transmission | Transparent to the user |
| Bandwidth | DC to 4.5 MHz. |
| Input | 1.5 Vp-p max, 100Ω, balanced |
| Output | 1.1 Vp-p, ± 1 dB, 75Ω, unbalanced |
| Insertion Loss | -14 dB minimum for luma, -60 dB minimum for chroma. Determined by Automatic Gain Control. |
| Return Loss | Greater than 15 dB over the frequency range |
| Common Mode Rejection Ratio | Greater than 40 dB @ 3.85 MHz |
| Maximum Dist. Color or B&W | Category 5 UTP: NTSC: 5,000 ft (~1.5 km) . PAL: 4,000 ft (~1.2 km) |
| Image Adjustment | Automatic Gain Control for sharpness and luminosity. |
| LED Indicators | Green (Dim): Power. Green (Bright): Video Signal and AC power. Red: Ground Loop Fault |
| 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 or RG6). |
| Input Connectors | Video: Two (2) screw terminals; <i>reverse polarity sensitive</i> . Power: Two (2) screw terminals. Ground: One (1) screw terminal |
| Output Connector | Video: Male BNC with 5" coax lead. |
| Power (not supplied) | 24V (AC or DC) floating +/- 20%, 110 mA RMS typical, 3W RMS max. |
| Video IN/OUT Surge protection | ± 1.5 V max permanent voltage positive or negative pulse, 3 V max. 1 ms. |
| AC/DC power surge protection | Above 30VAC RMS or 42 VDC. |
| Built-In Fuse Protection | Auto-resetting upon power off. <i>Not user serviceable</i> . |
| Temperature | Operating: 0° to 40°C. Storage: -20° to 85°C. Humidity: up to 95% non-condensing |
| Enclosure | Black - fire retardant plastic |
| Mounting | Velcro™ pad for optional surface mounting |
| Dimensions | 2.40" x 2.25" x 1.0" plus 5" coax lead |
| Regulatory | FCC and CE pending |
| Warranty | 1 year |
| Order Information | 500015 VideoEase LongReach - Active CCTV Receiver Balun |

VideoEase LongReach Active CCTV Receiver Balun

Typical Application



MuxLab

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