



VideoEase CCTV Balun

Quick Installation Guide

Overview

The VideoEase CCTV Balun allows the transmission of composite baseband video signals via unshielded twisted pair (UTP) in a Structured Cabling System. The VideoEase CCTV Balun is used in pairs to transmit standard NTSC, PAL and SECAM composite video. It converts a single composite baseband video signal from 75 ohm coax cable to UTP.

The VideoEase CCTV Balun is connected to the structured cabling via a modular wall jack in the work area. It is equipped with a BNC connector at one end and a RJ45 jack at the other end.

Applications

The CCTV Balun is designed for use with CCTV cameras and monitors, video-cassette recorders (NTSC, PAL or SECAM), video-conferencing and other baseband audio/video equipment. Applications include: security/surveillance monitoring, video bulletin boards, financial information services, news services, education, video training, airport displays, video capture, stock exchange, hotels and convention centers.

Installation

To install a VideoEase CCTV Balun, perform the following steps:

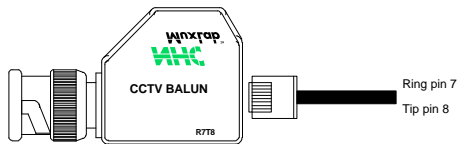
Caution: Do not attempt to open the housing. There are no user-serviceable parts inside the VideoEase CCTV Balun. Opening the unit will void your warranty.

1. Turn off power and disconnect the video equipment by following the manufacturer's instructions.
2. Make certain that telecommunications outlets and cross connects to which you will connect the VideoEase CCTV Balun are configured properly and labeled appropriately to identify the circuit.
3. Verify that the desired twisted pairs are not being used for other LAN or telephone equipment.

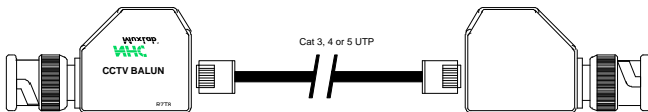
Caution: Do not connect the VideoEase CCTV Balun to a telecommunication outlet wired to unrelated equipment. Making such a connection may damage the equipment and/or the balun. Please ensure that all wiring is "straight-through".

Caution: Do not mount the balun over equipment ventilation openings. Covering the openings may cause the equipment to overheat.

4. The VideoEase CCTV Balun operates in pairs.
5. Depending on the equipment being connected, connect the BNC connector of the CCTV Balun to the coax connector or cable on the video equipment at each end of the link.
6. Verify the pin configuration of the CCTV Balun.



7. Connect one end of a UTP line cord to the RJ45 modular jack of the VideoEase CCTV Balun.
8. Plug the other end of the line cord into the appropriate video wall outlet or patch panel.



9. Power up the video equipment.

Troubleshooting

If your equipment malfunctions with VideoEase CCTV Baluns in place, follow the troubleshooting procedures below:

- Perform diagnostics on your video equipment by following the manufacturer's instructions.
- Check all the connections and the structured cabling system.
- The maximum operational distances over which the video signals can be transmitted is dependant on the equipment used. See table 1 for the maximum recommended operational distances over which the video signals can be transmitted. Ensure that the maximum recommended operational distances have not been exceeded.

Table 1
Operational Distance Limitations

Cabling	Cat 3	Cat 5
Colour	1200ft	2200ft
Black & White	1500ft	2500ft

- Check that the proper patch cord has been used for the cable type.
- Replace the VideoEase CCTV Balun with another VideoEase balun that is known to be working.
- If you still cannot diagnose the problem, call NHC for support.

Specifications

Ordering Information	Description:	VideoEase CCTV Balun
	Part No.	500000
RJ-45 Pin Config.	Signal	Video 1 (R)
	Gnd	7
	Sig	8
Connectors	1 BNC-M	
	1 RJ45-F Shielded	
Operating Conditions	Temperature: Operating: 0 to 55 C Storage: -20 to 85 C	
	Humidity: Up to 95%	
Compliance	FCC Part 15/Class B, CISPR PUB 22/Class B	
Warranty	The VideoEase CCTV Balun has a lifetime warranty.	