
TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION 16 - ELECTRICAL

SECTION 16770 - CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM

PART 2 – PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and utilized in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada) technical support number from the manufacturer. The number shall provide technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.

2.02 StubEQ ACTIVE RECEIVER HUB, 32-CHANNEL
(SCREW TERMINAL/RJ45 INPUT)

- A. The UTP CCTV StubEQ Active Receiver Hub device shall be capable of receiving thirty-two baseband monochrome or color video signals over unshielded twisted-pair (UTP) telephone wire up to a distance of 1,250 feet (380m) when used with a passive transmitter.
- B. The UTP CCTV StubEQ Active Receiver Hub device shall be capable of receiving thirty-two baseband monochrome or color video signals over UTP telephone wire up to a distance of 2,000 feet (600m) when used with an active transmitter.
- C. The receiving device shall have fully automatic (no adjustment) digital distance equalization for each port, with distance specified for NTSC and PAL standards.
- D. The receiving device shall have built-in ground lifting.
- E. The receiving device shall have built-in transient protection.
- F. The receiving device shall be equipped with female RJ45 inputs for connection to UTP wire.
- G. The receiving device shall be accessory equipped with (8 each), RJ45 to Screw Terminal Adaptors (568B)
- H. The receiving device shall be equipped with female BNC outputs for 75-ohm connections.
- I. The receiving device shall be powered by an external 115/230 VAC to 12VDC auto-ranging switching power supply with EIA inlet and "battery jack" power input.
- J. The receiving device shall have a Blue "Power-On" LED.
- K. The receiving device shall have the ability to operate with signals in the same wire bundle as telephone, data, low voltage power, or other video signals.

- L. The receiving device shall meet or exceed the following design and performance specifications:
 - a. Have typical common-mode rejection of 60 dB between the frequencies of 15 KHz to 5 MHz.
 - b. Shall have a frequency response from DC to 5 MHz.
 - c. Shall provide transient immunity of 6,000V 1.2uS x 50 uS and 3,000A 8uS x 20 uS, per ANSI / IEEE 587C62.41
 - d. Shall be for indoor use or for use in an environmental enclosure and allow a maximum operating temperature range of 0 to 50 degrees Celsius.
- M. The receiving device shall be capable of utilizing 24-16 AWG (solid or stranded) UTP wire.
- N. The receiving device shall be capable of utilizing Category 2 or better UTP without compromising interference immunity or transmission distances.
- O. The receiving device shall have a weight of under 3.0 lbs (1,36 kg).
- P. The receiving device shall have dimensions of 17" wide, 1.7" (1RU) high, 1.875" deep (43 cm x 4.5 cm x 4.8 cm).
- Q. The receiving device shall be packaged with "L" brackets to support the front or rear rail rack mounting, or wall mounting.
- R. The receiving device shall be UL and CUL listed.
- S. The receiving device shall be CE, WEEE, and RoHS compliant.
- T. The receiving device shall be provided with a limited lifetime warranty.
- U. The StubEQ Active Receiver Hub, 32-Channel (Screw Terminal/RJ45 Input) shall be the NVT:
 - a. NV-3242 or
 - b. Approved equal