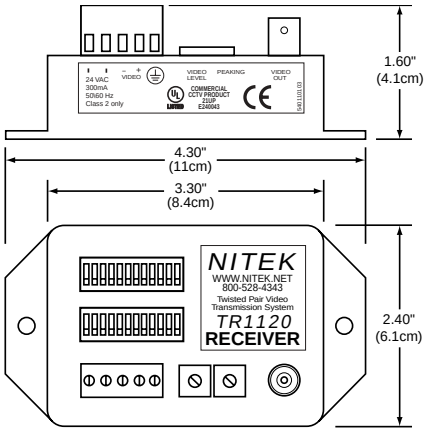
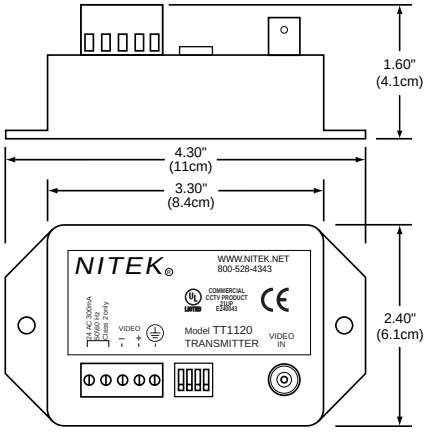
PRODUCT SPECIFICATION

DOCUMENT NUMBER	MODEL
EX1120	***EX1120*** Unshielded Twisted Pair (UTP) transmission from 1,000 feet (304 m) to 12,000 feet (3.65 Km) monochrome from 1,000 feet (304 m) to 9,000 feet (2.74 Km) color
REVISION NUMBER 111103	

EX1120





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Description

Live video transmission system for operation over twisted pair, Cat 5, Cat 6 or Cat 7 cables.

The **EX1120** is a complete Twisted Pair Video system made up of a TR1120 receiver unit and a TT1120 transmitter unit. The system is designed to operate over Category 2, 3, 4, 5, 6 or 7 twisted pair cable. It works well over existing communication, computer network spare pairs, or new cable installations. A highly balanced transmitter output assures that the system will not interfere with other network equipment. Advanced receiver and transmitter electronics provide optimum video quality and complete immunity from ground loop, hum and noise. Both the transmitter and receiver provide adjustment for gain and frequency compensation allowing the system to be "fine-tuned" for the cable. These unique adjustments provide optimum performance over the entire operating range of the system and allow cable lengths to be estimated with a wide safety margin. The receiver and transmitter units each require 24 VAC power. In multiple receiver and/or transmitter applications a common supply can be used for the system.

Features

- Active electronics compensate for frequency and level loss providing the highest quality video
- High resolution color or monochrome video
- Immunity to ground loop. Video and AC can be run in a common raceway, where code allows
- Built-in protection from power surges, transients, static or other electrical interference
- Video can be run in the same cable with telephone and computer signals
- Weather resistant design
- Easy to install

Applications

Large Campus Installations
Shopping Malls
Airports
High Voltage Facilities
Traffic Around City Areas
Remote Gates

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TECHNICAL SPECIFICATION

Transmitter Unit

Size	1.6”(4.1cm)H x 4.30”(11cm)W x 2.4”(6.1cm)D
Power Requirements	24VAC@2watts (2VA)
Input	1 vpp composite video monochrome or color
Output	Balanced low voltage current loop

System

Video Format	RS170, NTSC, PAL, SECAM, CCIR (Color or B/W)
Video Input	1 vpp composite video monochrome or color
Operating Frequency	1 Hz to 10 MHz

Recommended Transmission Distances	**Monochrome** - 1,000 ft. (304 m) to 12,000 ft. (3.65 Km) **Color** - 1,000 ft. (304 m) to 9,000 ft. (2.74 Km)

UTP Category	Unshielded Category 2 or better
Temperature Range	-40 degrees C to +85 degrees C
Humidity Range	0 to 98%, non-condensing
Enclosure Material	ABS Plastic

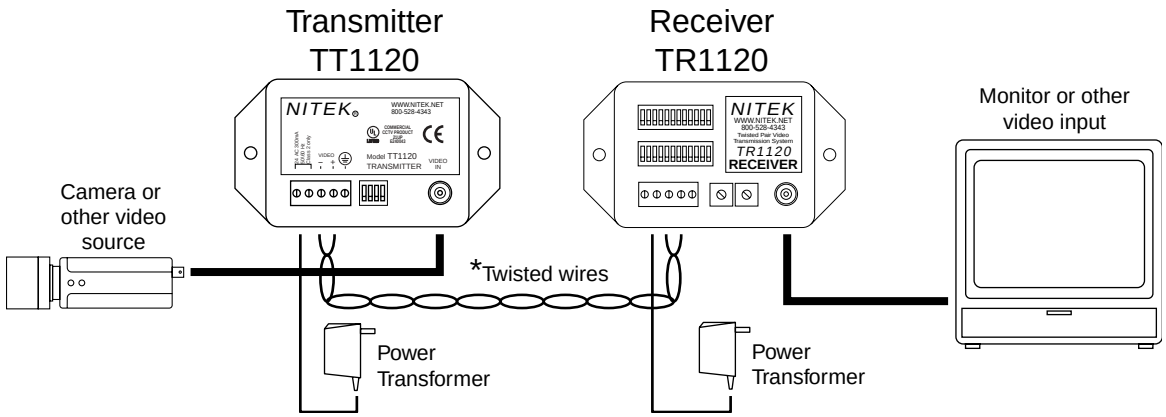
Receiver Unit

Size	1.6”(4.1cm)H x 4.30”(11cm)W x 2.4”(6.1cm)D
Power Requirements	24VAC@1watt (1VA)
Input	Balanced low voltage current loop
Output	1 vpp composite video monochrome or color
Common Mode Rejection	70dB+

Ordering Information	
PART	DESCRIPTION
EX1120	*Applications of 1,000 ft (304m) to 12,000 ft (3.65Km)*

Wire and Cable Recommendations

Twisted Sender systems are recommended for use with **unshielded twisted pair** (UTP) wiring. The systems will operate over wire gauges from 26 AWG through 12 AWG but are optimized for 24 AWG. Category 2, 3, 4, 5, 6 or 7 cable may be used. Individually shielded pairs should be avoided, as they drastically reduce the operating range of the systems. Multi-pair cable (>15 pairs) with an overall shield is acceptable. Video can be operated in the same communication cable co-existent with telephone, computer, control signals, power voltages and other video signals. While video may be routed through telephone punch down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices MUST BE removed from the pair. For more specific information regarding wire types, gauges and proper installation techniques, please call 800-528-4343 for technical assistance. More information is also available on the CCTV System Design Guide Sheet.



Specifications subject to change without notice.