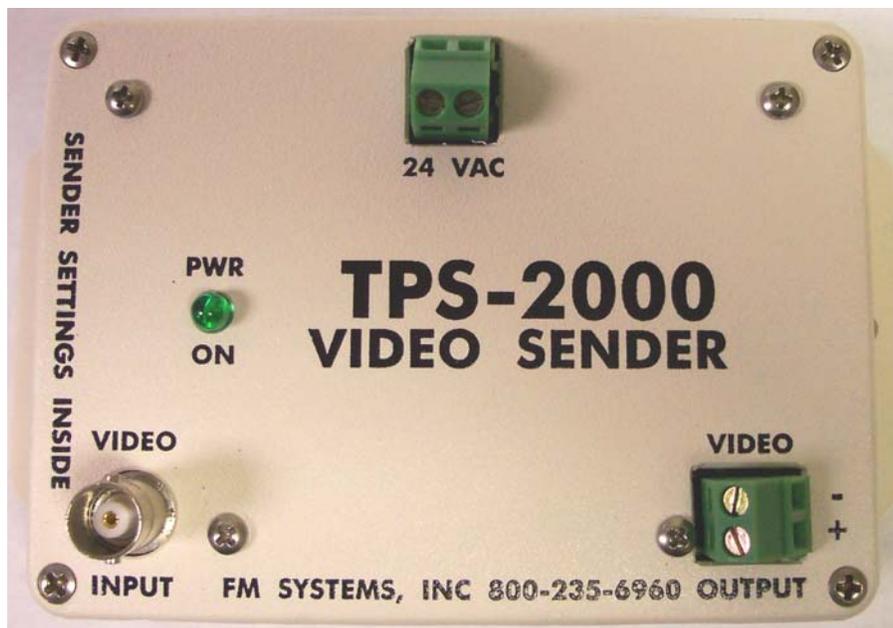


TPS-2000

VIDEO TWISTED PAIR SENDER



The TPS-2000 Twisted Pair Sender is used to convert CCTV video from a camera for transmission over twisted pair wire gages 18 to 24 AWG. This unit is used at the camera to extend the transmission range of the video signal From 0 - 2000 feet. It can be used with any Twisted pair receiver. The distance is set using field programmable internal jumpers. By using the matching active receiver (GB-60) camera range can be extended up to 4000 feet. This unit can be matched with the TPT-2000 repeater and GB-60 receiver to extend the range of video transmission up to 8000 feet.

The TPS-2000 is powered by 24VAC and can be connected to the same power supply as the camera. The input has a female BNC connector to attach to the camera and a screw terminal connector for the twisted pair wire output.

The TPS-2000 "Pre-Equalizes" the twisted pair transmission path to reduce video noise and improve the video image. Because it is an active device it will convert the 75 Ohm impedance of the camera into a precise 105 Ohm impedance to correctly match the twisted pair wire and it has the power to drive the video signal without introducing loss. A correct match on the twisted pair wire will also prevent reflections and ghosting in the video picture.

A true common-mode video input provides elimination of interference signals and ground-loop problems. The unit has a power-on L.E.D. and draws about 30 milliamps from the existing power supply. We supply a 24 VAC power cube with each unit so the unit may be mounted away from the camera.

A DC powered unit called TPS-2000-DC will work with 9-24 VDC power for DC operated cameras.

The unit is mounted in a bone white ABS enclosure that measures 3.3" Wide, 5.5" Long, 2.0" Deep. It has two mounting holes, one on each side that will hold it securely to any surface. All cable and wire mounting connectors are easily accessible on the front cover. The Jumpers for distance are set by removing four screws on the front cover and selecting the distance on the PC board.

The TPS-2000 has an 800-235-6960 telephone number on the lid. Your technicians can call in and speak with one of our installation personnel anytime to get information about how our products can help them, and we can help them solve their video problems on site over the phone.

INPUT

SPECIFICATION

Level	1 Volt Peak/Peak Nominal
Impedance	75 Ohms
Video Standard	CCTV, NTSC, PAL
Common Mode Rejection	40 dB
Connectors	BNC (Female)
Power Requirements	24 AC Wall Mount (Supplied)
Connector	Screw Terminal

PROCESSING

Distance (Programmable)	0, 1000, 2000, feet
RF Bandwidth	5 MHz Flat

OUTPUT

Level	1 Volt Peak/Peak
Impedance	105 Ohms
Connectors	Screw Terminal
Signal to Noise Ratio	70dB

MECHANICAL

Size	5.5" L x 3.3"W x 2"D
Enclosure	ABS with Mounting Flange

TPS-2000.SPC