

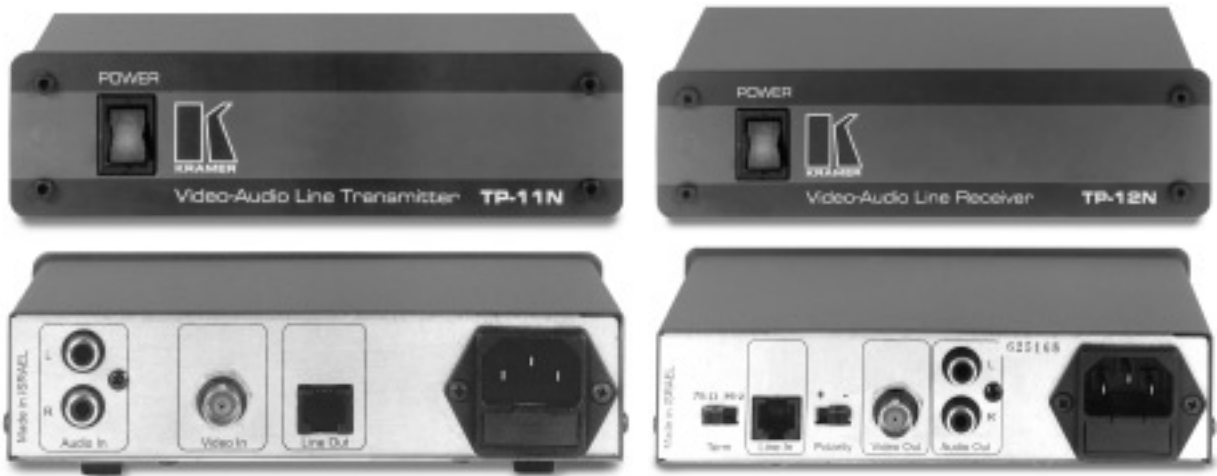


Video and Audio Line Transmitter/Receiver TP-11N/TP-12N

The Kramer TP-11N/TP-12N are a high performance transmitter/receiver pair used to convert composite video and Audio Stereo to Twisted-pair cable for long cable runs. The primary advantage of transmission via Twisted-pair cable is its ability to carry video signals much farther than conventional coax cable. TP cable is also considerably lighter and is less expensive. Only one pair is required for video and both channels of audio. A typical system consists of a TP-11N located at the source, and a TP-12N at the remote receiving device to convert the Twisted-pair back to standard video and audio. The termination switch allows parallel connection

of several TP-12s on the same line for systems requiring multiple receivers. The Twisted-pair line can be tapped at any location without effecting image quality. The frequency response of the TP-12N matches that of the TP-11N transmitter. The TP-12N provides polarity switching on the rear panel.

Cable runs of several hundred meters are possible, and "broadcast" quality can be maintained as far as 100 meters. The TP-11N/TP-12N are dependable, rugged, and can be rack mounted if desired, using the RK-50RN kit. This rack kit holds two TP-11s or TP-12s and requires one vertical space of a standard 19" rack.



TWISTED-PAIR INTERFACES 01

TECHNICAL SPECIFICATIONS

	TP-11N	TP-12N
INPUTS:	1 composite video, 1Vpp / 75 on a BNC type connector. 1 audio stereo, 1 Vpp / 10k on RCAs.	1 balanced, 150 on RJ-11 standard telephone sockets, with termination switch.
OUTPUTS:	Balanced, 150 on RT-11 standard telephone connector (1 pair required).	1 composite video, 1Vpp / 75 unbalanced on a BNC connector. 1 audio stereo (L, R), 1Vpp / 10 on RCAs.
NON LINEARITY:	Less than 1% at 100 meters.	
BANDWIDTH:	6 MHz. -3dB at 100 meters, 5 MHz. -3 dB at 600 meters.	
COMPENSATION:	Gain and HF above 2.5 MHz. +/- 6 dB. (Internal).	
VIDEO S/N RATIO:	73 dB.	
DIFF. PHASE:	0.55 Deg.	
SYSTEM DELAY:	1 microsecond TYP. at 100 meters.	
DIMENSIONS:	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.7"), W, D, H.	
POWER SOURCE:	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 4.6 VA.	230 VAC, 50/60 Hz., (115VAC, U.S.A.) 3.4 VA.
WEIGHT:	0.8 kg. (1.8 lbs.) approx.	
ACCESSORIES:	Power cord.	
OPTIONS:	19" rack adapter RK-50RN (see page 6.23 for details).	

TYPICAL APPLICATIONS

- ☐ Remote monitoring for CCTV, medical, schools, broadcast applications.
- ☐ Teleconferencing in offices and hospitals using existing intercom or telephone wiring.