

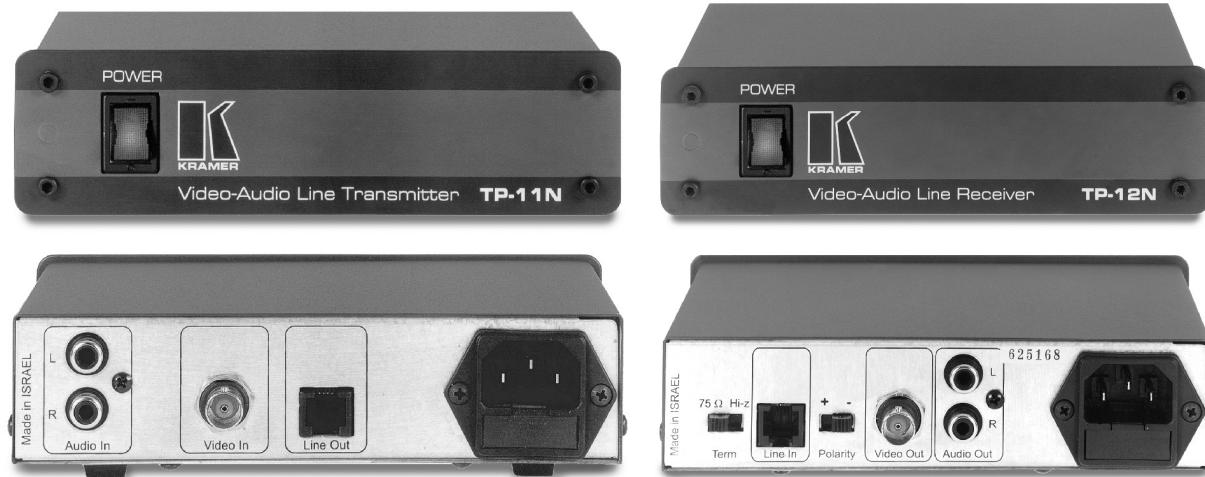
## TP-11N/TP-12N

### Video-Audio Line Transmitter / Receiver

GROUP 5



The Kramer **TP-11N/TP-12N** are a high performance transmitter/receiver used to convert composite video and stereo audio to twisted pair cable for long cable runs. The primary advantage of transmission via twisted pair cable is the ability to carry video signals much farther than conventional coax cable. TP cables are also considerably lighter and 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 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** is dependable, rugged, and can be rack mounted if desired, using the RK-50R kit. This rack kit holds two TP-11s or TP-12s and requires two vertical spaces of a standard 19" rack.



#### TECHNICAL SPECIFICATIONS

##### TP-11N

INPUTS:	1 composite video, 1Vpp/75Ω on a BNC type connector. 1 audio stereo, 1 Vpp/10kΩ on RCA connectors.
OUTPUTS:	Balanced, 150Ω on a RJ-11 standard telephone connector (1 pair required).
AUDIO BANDWIDTH (-3dB): 65MHz.	
VIDEO BANDWIDTH (-3dB): 6MHz at 100 meters, 5MHz at 600 meters.	
COMPENSATION: Gain and HF above 2.5MHz + / - 6dB (internally).	
DIFF. PHASE:	0.55Deg.
NON-LINEARITY:	Less than 1% @ 100m.
VIDEO S/N RATIO:	73dB.
SYSTEM DELAY:	1 microsecond TYP. at 100 meters.
POWER SOURCE:	230VAC, 50/60Hz, (115VAC, U.S.A.) 4.6VA.   230VAC, 50/60Hz, (115VAC, U.S.A.) 3.4VA.
DIMENSIONS:	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.8", W, D, H.).
WEIGHT:	0.8kg. (1.8lbs.) approx.
ACCESSORIES:	Power cord.
OPTIONS:	19 rack adapter RK-50R.

##### TP-12N

1 balanced, 150Ω on RJ-11 standard telephone socket, with termination switch.
1 composite video, 1Vpp/75Ω unbalanced on a BNC type connector.
1 audio stereo (L,R) 1 Vpp/100Ω on RCA connectors.

#### TYPICAL APPLICATIONS

- Remote monitoring for CCTV, medical, schools, broadcast applications.
- Ideal for existing facilities with TP cable already installed.
- Teleconferencing in offices and hospitals using existing intercom or telephone wiring.

