

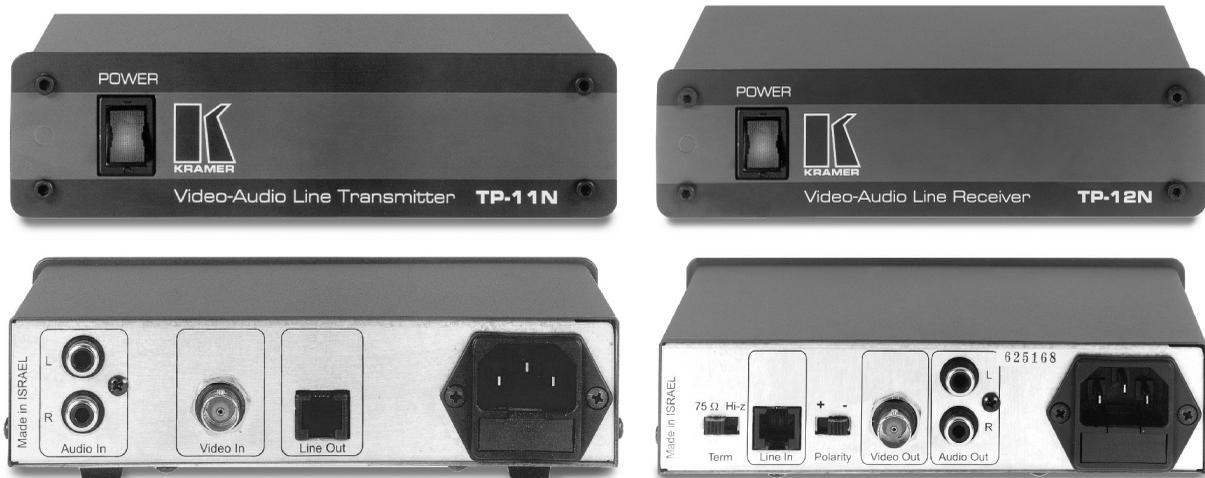
## TP-11N/TP-12N

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 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	TP-12N
INPUTS:	1 composite video, 1Vpp/75 $\Omega$ on a BNC type connector. 1 audio stereo, 1 Vpp/10k $\Omega$ on RCA connectors.	1 balanced, 150 $\Omega$ on RJ-11 standard telephone socket, with termination switch.
OUTPUTS:	Balanced, 150 $\Omega$ on a RJ-11 standard telephone connector (1 pair required).	1 composite video, 1Vpp/75 $\Omega$ unbalanced on a BNC type connector. 1 audio stereo (L,R) 1 Vpp/100 $\Omega$ on RCA connectors.
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-50RN.	

### 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.



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