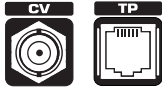


704/705

Video Line Receiver/Transmitter

GROUP 5



The Kramer **705** is a high performance composite video to twisted pair transmitter, and the **704** is its companion unit which converts the twisted pair format back to composite video. Transmission via twisted pair cable carries video signals farther than conventional coax cable, and is lighter and significantly less expensive. A simple system consists of a **705** located at the video source, and a **704** located at the remote display device. For systems with multiple monitors, the **704** receiver has a loop out and termination switch allowing several **704** receivers to be placed on the same TP cable driven by a **705**. Even at a cable length of 400 meters, the frequency response is well over 6 MHz and at shorter distances, they provide close to broadcast level performance. Recessed gain and equalization controls are provided to optimize signal levels. A 12V power supply is provided with each unit. The **705** and **704** are part of the Kramer TOOLS family of compact, high quality, and cost effective solutions for a variety of applications.

01

TWISTED-PAIR INTERFACES



TECHNICAL SPECIFICATIONS

	704	705
INPUTS:	1 looping balanced 150 Ω on 6/4 standard telephone sockets, with termination switch and polarity inversion switch.	1 composite video, 1Vpp/75 Ω on a BNC connector.
OUTPUTS:	1 composite video, 1 Vpp/75 Ω unbalanced on a BNC connector. 75 Ω unbalanced on a BNC connector.	1 balanced, 150 Ω on a RJ-11 standard telephone socket.
BANDWIDTH (-3dB):	50 MHz. at 30 meters, 6.0 MHz. at 400 meters.	
NON-LINEARITY:	0.2% at 100 meters.	
DIFF. GAIN (PAIR):	0.43%.	
DIFF. PHASE (PAIR):	0.32 Deg.	
K-FACTOR(@ 400m):	1.6%	
S/N RATIO:	74 dB.	
COMPENSATION:	Gain and HF above 2.5MHz +/- 9dB.	
SYSTEM DELAY:	1 microsecond TYP. at 100 meters.	
POWER SOURCE:	12 VDC 40mA.	
DIMENSIONS:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98", W, D, H.)	
WEIGHT:	0.28 kg. (0.62 lbs.). approx.	
ACCESSORIES:	Power supply, mounting bracket	
OPTIONS:	RK-T1, RK-T3, 19 inch rack adapters.	

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.



5.4

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