



Video Line Receiver/Transmitter 704/705

The Kramer 705 is a high performance composite video to Twisted-pair transmitter, and the 704 is its companion unit receiver 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.



10 TWISTED-PAIR INTERFACES

TECHNICAL SPECIFICATIONS

	704	705
INPUT:	1 looping balanced 150 on a RJ 11 standard telephone sockets, with termination switch and polarity inversion switch.	1 composite video, 1Vpp / 75 .
OUTPUT:	1 composite video, 1Vpp / 75 unbalanced on a BNC connector.	1 balanced, 150 on a RJ 11 standard telephone socket.
BANDWIDTH:	50 MHz. -3 dB at 30 meters, 6.3 MHz. -3 dB at 400 meters.	
NON LINEARITY:	Less than 0.2% at 100 meters.	
DIFF. GAIN (PAIR):	0.43%.	
DIFF. PHASE (PAIR):	0.32 Deg.	
S/N RATIO:	74 dB.	
K-FACTOR (@ 400m):	1.6 %.	
COMPENSATION:	Gain and HF above 2.5MHz. +/- 9dB.	
SYSTEM DELAY:	1 microsecond TYP. at 100 meters.	
POWER SOURCE:	12 VDC 40mA each 705 and 704.	
WEIGHT:	0.28 kg. (0.62 lbs.) approx.	
DIMENSIONS:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98"), W, D, H.	
ACCESSORIES:	Power supply, mounting bracket (each).	
OPTIONS:	19" rack adapter RK-T1, RK-T3 (see pages 6.24, 6.25 for details).	

TYPICAL APPLICATIONS

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