



# Video and Audio Transmitter/Receiver 707/708

The Kramer 707 is a high performance composite video and mono audio to Twisted-pair transmitter, and the 708 is its companion unit which converts the Twisted-pair format back to composite video and audio. 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 707 located at the source, and a 708 located at the remote display device. For systems with multiple monitors, the 708 receiver has a loop out and termination switch allowing up to 4

708 receivers to be placed on the same TP cable driven by a 707. 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 707 and 708 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

	707	708
<b>INPUTS:</b>	1 composite video, 1 Vpp / 75 , 1 audio, 1 mV - 2 V / 33k.	Looping balanced 150 on 6/4 standard telephone sockets, (RT-11) with termination switch and polarity inversion switch.
<b>OUTPUTS:</b>	1 balanced, 150 on 6/4 standard telephone socket. (RS-11).	1 composite video, 1 Vpp / 75 unbalanced on a BNC connector. 1 audio - Mic or line level, up to 4.6 Vpp / 100 .
<b>BANDWIDTH (PAIR):</b>	Video: 50 MHz. -3 dB, audio: 30 kHz. -3 dB at 30 meters without lightning arrestors.	
<b>NON LINEARITY(PAIR):</b>	Less than 0.2% at short distances.	
<b>DIFF. GAIN (PAIR):</b>	0.41 %.	
<b>DIFF. PHASE (PAIR):</b>	0.3 Deg.	
<b>S/N RATIO(PAIR):</b>	72 dB.	
<b>K-FACTOR (@ 20m, PAIR):</b>	0.1 %.	
<b>CONTROL:</b>	Video gain: -1.8 / + 2.3 dB, EQ above 2.5 MHz. 0 / 16 dB, audio: 0 / 52 dB. 707: condenser mic power. 708: loop termination, signal invert.	
<b>POWER SOURCE:</b>	12 VDC 40mA each	
<b>WEIGHT:</b>	0.28 kg. (0.62 lbs.) approx.	
<b>DIMENSIONS:</b>	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98"), W, D, H.	
<b>ACCESSORIES:</b>	Power supply, mounting bracket (each).	
<b>OPTIONS:</b>	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.