



VGA/XGA Twisted-pair Transceiver TP-15/16

The Kramer TP-15/TP-16 is a VGA/XGA-to-Twisted-pair transmitter and receiver set. The TP-15, the transmitter, allows for cable equalization and signal amplification of the VGA/XGA signal, up to distances exceeding 300 ft. (100 meters) using simple CAT5, unshielded wires (UTP). It uses 5 pairs (or 4 pairs) of wires, amplifying the analog RGB signals as well as

stabilizing and correcting the Horizontal and Vertical sync signals. The machines use detachable terminal block connectors for easy connection and system wiring. The TP-15/16 are dependable and rugged, and there are optional rack adapters available to rack mount them.



TECHNICAL SPECIFICATIONS

	TP-15	TP-16
INPUTS:	1 VGA / XGA - analog R, G, B - 0.7 Vpp / 75 Ω, H, V syncs TTL level on HD 15F connector	4 or 5 twisted-pair sets, UTP on detachable terminal block connectors.
OUTPUTS:	4 or 5 twisted-pair sets, UTP on detachable terminal block connectors.	1 VGA / XGA - analog R, G, B - 0.7 Vpp / 75 Ω, H, V syncs TTL level on HD 15F connector.
VIDEO S/N RATIO (SET):	71 dB.	
BANDWIDTH (SET):	245 MHz, -3 dB @ 5m.	
DIFF. GAIN (SET):	<0.09%.	
DIFF. PHASE (SET):	<0.13 Deg.	
NON LINEARITY (SET):	<0.3%.	
K-FACTOR:	<0.05%.	
CONTROL:	HF above 4.5MHz. 0/+ 4.8 dB, by front control, triple EQ. network.	NA.
DIMENSIONS :	22cm x 18cm x 4.5cm (8.6" x 7" x 1.7"), W, D, H.	16.5cm x 12cm x 4.5cm (6.5" x 4.7" x 1.7"), W, D, H.
WEIGHT:	1.3 kg. (2.9 lbs.) approx.	0.7 kg. (1.6 lbs.) approx.
POWER CONSUMPTION:	5.2 VA.	4.6 VA.
POWER SOURCE:	230 VAC, 50/60 Hz, (115VAC, U.S.A.).	230 VAC, 50/60 Hz, (115VAC, U.S.A.).
ACCESSORIES:	Power cord.	
OPTIONS:	19" rack adapter RK-80 (see page 6.24 for details).	19" rack adapter RK-50RN (see page 6.23 for details).

TYPICAL APPLICATIONS

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

WEB: www.kramerelectronics.com