

# TP-124

## COMPUTER GRAPHICS VIDEO, AUDIO & DATA TWISTED PAIR TRANSMITTER & RECEIVER



The TP-123 and TP-124 are a twisted pair transmitter and receiver for computer graphics video, unbalanced stereo audio and RS-232 data signals. The TP-123 will convert computer graphics, audio, and RS-232 inputs to a twisted pair signal, and the TP-124 will convert the twisted pair signal back into computer graphics, audio and RS-232 data signals.

### DESCRIPTION

- Resolution - up to UXGA.
- HDTV Compatible.
- Twisted Pair Connectors - RJ-45 connectors.
- Audio Outputs – unbalanced Stereo and S/PDIF (24-bit 48KHz) simultaneously (TP-124).
- Level (Gain) and EQ (Peaking) Controls (TP-124).
- System Range - Up to 100 meters (300'). Greater distances possible depending on resolution and cable.
- Cable – UTP (unshielded twisted pair) such as CAT 5.
- Power Connect™ System Only one unit in a system, the transmitter or receiver, needs to be connected to a power source. All the system units must have Power Connect to use this feature.
- RS-232 Connect™ System The unit can send RS-232 commands on the twisted pair cable on top of the video signal. All the system units must have RS-232 Connect to use this feature.
- Compact Size - Part of the Kramer TOOLS™ family of compact, high quality and cost effective solutions.

### SPECIFICATIONS

INPUTS:	1 RJ-45 OUT connector.
OUTPUTS:	Video: 1VGA/UXGA on an HD15 connector. Audio: 1 audio S/PDIF RCA connector. 1 audio ANALOG 3.5mm mini jack.
MAX. OUTPUT LEVEL:	Video: 1V. Audio: 2.5V.
COMMUNICATION:	RS-232 on 2 PIN Terminal Block.
CONTROLS:	Level: – 7.5dB to + 4.4dB, EQ.: 0dB to + 33dBm (130m) @ 50MHz.
BANDWIDTH (- 3DB):	XGA: 350MHz. Audio: 20Hz – 20kHz@0.5dB.
S/N RATIO:AUDIO:	Better than – 80dB.
TOTAL GAIN:	Audio: Analog/analog: 0dB; Analog/SPDIF: –12dBFS.
COUPLING:	AC.
TND+NAUDIO:	< 0.01%.
POWER SOURCE:	12 VDC 60mA.
DIMENSIONS:	12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98", W, D, H).
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply.

