

# TP-145/TP-146

Computer Graphics Video, Stereo Audio & Bidirectional RS-232 over Twisted Pair Transmitter & Receiver with EDID **NEW**



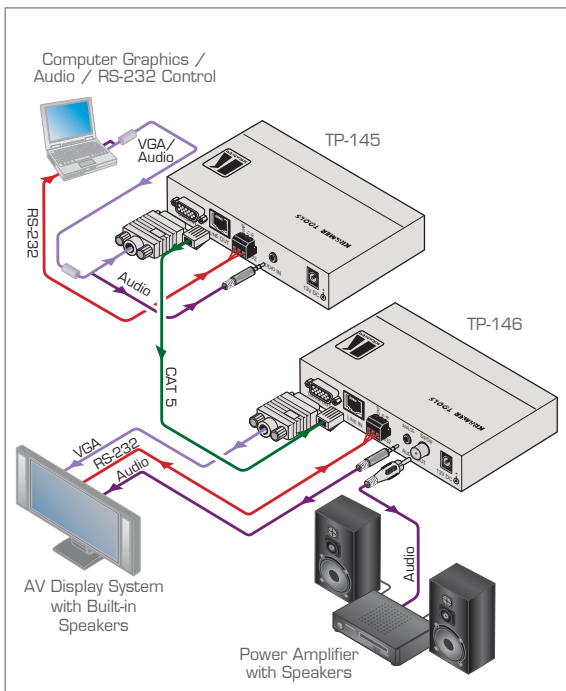
Compatible with HDTV component video signals when used with a breakout cable such as the Kramer C-GM/3RVF.



The **TP-145** and **TP-146** are a twisted pair transmitter and receiver for computer graphics video, unbalanced stereo audio and bidirectional RS-232 data signals. The **TP-145** converts the input signals to a twisted pair signal and the **TP-146** converts the twisted pair signal back into the original signal formats plus an additional S/PDIF audio signal.

## FEATURES

- Max. Resolution - WUXGA & 1080p.
- HDTV Compatible.
- Power Connect™ System - A single connection to the transmitter or the receiver powers both units when the devices are within 150ft (50m) of each other.
- System Range - Up to 100m (300ft). Greater distances possible depending on signal resolution and cable.
- RS-232 Connect™ System - The unit can send bidirectional RS-232 commands on the twisted pair cable on top of the video signal.
- Audio Outputs - Unbalanced stereo and S/PDIF (24-bit 48kHz) simultaneously (TP-146).
- Level (Gain) & EQ (Peaking) Controls (TP-146).
- Horizontal and Vertical Polarity Selection (TP-146).
- Twisted Pair Connectors - RJ-45 connectors.
- Compact Kramer TOOLS™ - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.



## TECHNICAL SPECIFICATIONS

|                           |  |
|---------------------------|--|
| <b>INPUTS:</b>            | 1 UXGA on an 15-pin HD connector;<br>1 unbalanced stereo audio on a 3.5mm mini jack (TP-145);<br>1 RJ-45 connector (TP-146).                                     |
| <b>OUTPUTS:</b>           | 1 RJ-45 OUT connector (TP-145);<br>1 UXGA on a 15-pin HD connector;<br>1 S/PDIF on an RCA connector;<br>1 unbalanced stereo audio on a 3.5mm mini jack (TP-146). |
| <b>MAX. OUTPUT LEVEL:</b> | Video: 1.6V, Audio: 2.3V (TP-146).   |
| <b>RESOLUTION:</b>        | Up to UXGA or 1920x1200.   |
| <b>RS-232 BAUD RATE:</b>  | Up to 19200bps.  |
| <b>RS-232 MODE:</b>       | Full-duplex.   |
| <b>BANDWIDTH:</b>         | Audio: 20Hz - 20kHz @0.5dB.  |
| <b>S/N RATIO:</b>         | Audio: <-80dB.   |
| <b>TOTAL GAIN:</b>        | Audio: Analog/analog: 0dB, Analog/ S/PDIF: -12dBFS.  |
| <b>COUPLING:</b>          | AC.  |
| <b>THD+N:</b>             | Audio: <0.01%.   |
| <b>CONTROLS:</b>          | EDID status, ON (TP-145);<br>Level: -7.5dB to +4.4dB, EQ.: 0dB to +33dBm (130m) @50MHz (TP-146).   |
| <b>INDICATOR LEDS:</b>    | EDID status, ON (TP-145).  |
| <b>POWER SOURCE:</b>      | 12V DC, 60mA.  |
| <b>DIMENSIONS:</b>        | 12.1cm x 7.2cm x 2.4cm (4.8" x 2.8" x 1.0") W, D, H.   |
| <b>WEIGHT:</b>            | 0.3kg (0.7lbs) approx.   |
| <b>ACCESSORIES:</b>       | Power supply.  |
| <b>OPTIONS:</b>           | RK-3T 19" rack adapter.  |

