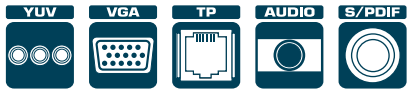


# TP-45/TP-46

Component Video or Computer Graphics Video with Audio over Twisted Pair Transmitter & Receiver



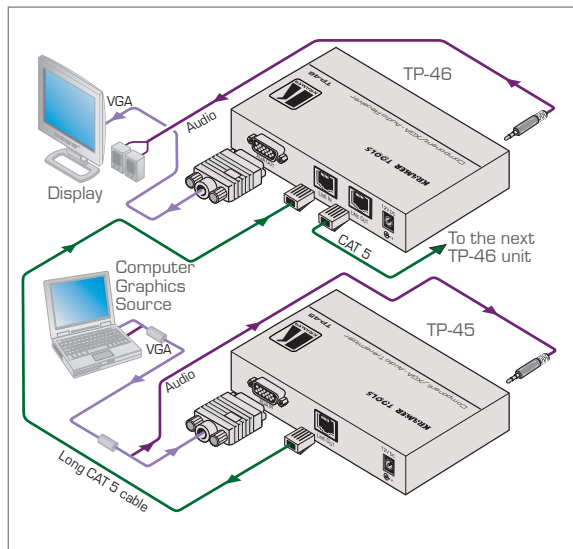
The **TP-45** and **TP-46** are a twisted pair transmitter and receiver for component video (YUV) or computer graphics video and unbalanced stereo audio or S/PDIF audio signals. The **TP-45** transmitter converts audio and video to a twisted pair signal and the **TP-46** converts the twisted pair signal back into audio and video signals.

## FEATURES

- HDTV Compatible.
- Max. Resolution - WUGXA (15-pin HD) & 1080p (component).
- Level (Gain) & EQ (Peaking) Controls (TP-46).
- Sync Polarity Settings (TP-46) - H & V switches for improved HDTV compatibility with the CAT 5 outputs.
- 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.
- Link LED (TP-46) - Indicates the receiver is receiving a signal.
- System Range - Up to 100m (330ft).
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- 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

INPUTS:	1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector; 1 component 1Vpp/75Ω (Y,Pb,Pr) on 3 RCA connectors; 1 unbalanced stereo audio, OdBu/50kΩ, 0.5V/75Ω, on a 3.5mm mini jack; 1 digital S/PDIF audio on an RCA connector (TP-45); 1 CAT 5 LINE IN on an RJ-45 connector (video/audio) (TP-46).
OUTPUTS:	1 CAT 5 line out on an RJ-45 connector (TP-45); 1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector; 1 unbalanced stereo audio, OdBu/1kΩ, 0.5V/75Ω, on a 3.5mm mini jack; 1 digital S/PDIF audio on an RCA connector; 1 component 1Vpp/75Ω (Y, Pb, Pr) on 3 RCA connectors (TP-46).
VIDEO MAX. INPUT LEVEL:	VGA: 1.2Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.05Vpp on 75Ω, AC coupling.
VIDEO MAX. OUTPUT LEVEL:	VGA: 1.5Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.25Vpp on 75Ω, DC coupling.
RETURN LOSS:	-18dB.
MAX. RESOLUTION:	WUGXA (15-pin HD) & 1080p (component).
VIDEO S/N RATIO:	60dB RMS unweighted; 69dB RMS @5MHz weighted.
K-FACTOR:	0.2% at optimal equalization.
VIDEO ISOLATION (CROSSTALK):	-43dB @5MHz.
MAX. INPUT LEVEL ANALOG AUDIO:	4dBu on 50kΩ, AC coupling.
MAX. OUTPUT LEVEL ANALOG AUDIO:	4dBu on 1kΩ, DC coupling.
AUDIO BANDWIDTH:	20Hz to 20kHz, @0dBu.
THD+NOISE:	0.33% @0dBu @1kHz.
MAX. INPUT LEVEL S/PDIF:	1Vpp on 75Ω, AC coupling.
MAX. OUTPUT LEVEL S/PDIF:	0.7Vpp on 75Ω, AC coupling.
SAMPLE RATE CONVERSION:	48kHz.
RESOLUTION CONVERSION:	24-bits.
POWER SOURCE:	12V DC, 140mA.
DIMENSIONS:	12cm x 7.15cm x 2.76cm (4.7" x 2.81" 1.09") W, D, H.
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack adapter.



RANGE EXTENDERS & REPEATERS

