



TP-45RC

Component Video or Computer Graphics Video with Audio over Twisted Pair Transmitter with Remote Switching



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

FEATURES

- **HDTV Compatible.**
- **Max. Resolution** - UXGA & 1080p.
- **Inputs** - 15-pin HD (computer graphics video), 3 RCA (component video), 3.5mm (unbalanced stereo audio) and 1 RCA (S/PDIF.)
- **Control** - Front panel (independent audio and video) and contact closure switching.
- **Sync Polarity Settings** - H & V switches for improved display compatibility with the CAT 5 outputs.
- **System Range** - Up to 100m (320ft). Greater distances possible depending on resolution and cable.
- **Cable** - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- **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.
- **Compact Kramer TOOLS™** - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.



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TECHNICAL SPECIFICATIONS

VIDEO INPUTS:	1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector 1 component 1Vpp/75Ω (Y,Pb,Pr) on 3 RCA connectors
VIDEO OUTPUTS:	1 CAT 5 on an RJ-45 connector (video/audio).
MAX. INPUT LEVEL:	VGA: 1.2Vpp on 75Ω, DC coupling Y,Pb,Pr: 1.05Vpp on 75Ω, AC coupling.
RETURN LOSS:	-18dB.
MAX. OUTPUT LEVEL:	VGA: 1.5Vpp on 75Ω, DC coupling Y,Pb,Pr: 1.25Vpp on 75Ω, DC coupling.
VIDEO RESOLUTION:	Up to UXGA; 1080p.
S/N RATIO:	61dB.
K-FACTOR:	0.2%.
ISOLATION (CROSSTALK):	-43dB @5MHz.
AUDIO INPUTS:	1 stereo analog audio, 0dBu/50kΩ, 0.5V/75Ω, on a 3.5mm mini jack; 1 digital S/PDIF audio on an RCA connector
MAX. AUDIO INPUT LEVEL ANALOG:	4dBu on 50kΩ, AC coupling.
MAX. AUDIO OUTPUT LEVEL ANALOG:	4dBu on 1kΩ, DC coupling.
AUDIO BANDWIDTH:	20Hz to 20kHz, @0dBu.
THD+NOISE:	0.33% @0dBu @1kHz.
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.