



## TP-46N

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

---



The **TP-46N** is a twisted pair receiver for component video (YUV) or computer graphics video and unbalanced stereo audio or S/PDIF audio signals. The TP-45 transmitter converts an audio and video signal to a twisted pair signal and the **TP-46N** 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.
- **Power Connect™ System** - Only one unit in a system, the transmitter or the receiver needs to be connected to a power source when the devices are within 50m (150ft) of each other.
- Link LED - 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

INPUT:	1 CAT 5 LINE IN on an RJ-45 connector (video/audio).
OUTPUTS:	1 CAT 5 line extension on an RJ-45 connector (video/audio); 1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector; 1 stereo analog audio, 0dBu/1kΩ, 0.5V/75Ω, on a 3.5mm jack; 1 digital S/PDIF audio on an RCA connector; 1 component 1Vpp/75Ω (Y, Pb, Pr) on 3 RCA connectors.
MAX. VIDEO INPUT LEVEL:	VGA: 1.2Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.05Vpp on 75Ω, AC coupling.
MAX. VIDEO OUTPUT LEVEL:	VGA: 1.5Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.25Vpp on 75Ω, DC coupling.
RETURN LOSS:	-18dB.
MAX. RESOLUTION:	Up to UXGA; 1080p.
VIDEO S/N RATIO:	61dB RMS unweighted.
K-FACTOR:	0.2%.
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.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
POWER CONSUMPTION:	12V DC, 830mA.
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK-3T 19" rack adapter.
PRODUCT DIMENSIONS:	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
PRODUCT WEIGHT:	0.2kg (0.4lbs) approx.
SHIPPING DIMENSIONS:	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
SHIPPING WEIGHT:	0.6kg (1.3lbs) approx.

