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 recommended 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

**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