# TP-305A

## 1:5 Computer Graphics Video, Audio & RS-232 Twisted Pair Receiver & Distribution Amplifier
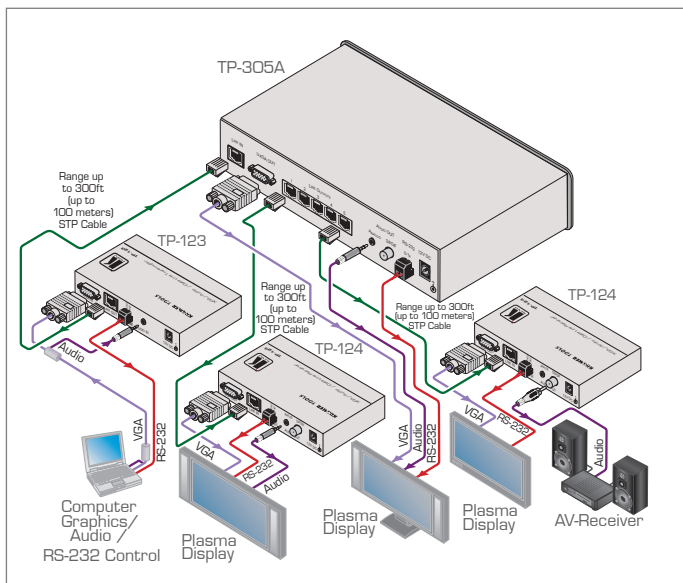
| VGA/HD | TP | AUDIO | S/PDIF | RS-232 |

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



## FEATURES

- HDTV Compatible.
- Max. Resolution - WUXGA & 1080p.
- Level (Gain) & EQ (Peaking) Controls - 15-pin HD outputs.
- Twisted Pair Connectors - RJ-45.
- Audio Output Connectors - 3.5mm (unbalanced) & RCA (S/PDIF).
- RS-232 Output Connector - Unidirectional 2-pin terminal block (Tx & Gnd).
- Sync Polarity Settings - H & V switches.
- System Range (Twisted Pair) - Up to 100m (320ft).
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Power Connect™ System - A single connection to the TP-305A powers both units when the devices are within 150ft (50m) of each other.
- Desktop Size - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-1 adapter.

The TP-305A is a high-performance twisted pair receiver for computer graphics video, audio and RS-232 signals. The unit takes one twisted pair input and provides five twisted pair outputs plus a computer graphics video, stereo audio, S/PDIF audio and RS-232 output for local monitoring.

## TECHNICAL SPECIFICATIONS

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|---|---|
| INPUT: | 1 LINE IN on an RJ-45 connector. |
| OUTPUTS: | 5 LINE OUT on RJ-45 connectors; |
| | 1 UXGA video output on 15-pin HD connectors; |
| | 1 unbalanced stereo audio on a 3.5mm mini jack connector; |
| | 1 S/PDIF output on an RCA connectors; |
| | 1 2-pin terminal block for 1 RS-232 TxD out lines. |
| MAX. OUTPUT LEVEL: | Video: 1.6V; Audio: 2.3V. |
| POWER OUTPUTS: | 12V DC, 0.5A max via each RJ-45 output (pins 4, 5). |
| MAX. RESOLUTION: | WUXGA & 1080p. |
| BANDWIDTH: | 20Hz to 20kHz @1dB (audio). |
| SAMPLING RATE FOR S/PDIF: | 48kHz. |
| S/N RATIO: | Audio: >75dB. |
| TOTAL GAIN: | Analog/analog: 0dB. Analog/ S/PDIF: –12dBFS (audio). |
| THD+N: | <0.02% (audio). |
| POWER SOURCE: | 12V DC, 2.3A. |
| DIMENSIONS: | 21.46cm x 16.25cm x 4.36cm (8.45" x 6.4" x 1.72") W, D, H. |
| WEIGHT: | 1.3kg (2.9lbs) approx. |
| ACCESSORIES: | Power cord. |
| OPTIONS: | RK-1 19" rack adapter. |