



KRAMER

TP-410

1:10 Computer Graphics Video, Audio & RS-232 over Twisted Pair Transmitter & Distribution Amplifier



The **TP-410** is a high-performance distribution amplifier for computer graphics up to WUXGA or twisted pair video, unbalanced stereo or S/PDIF audio, and bi-directional RS-232 signals. The RS-232 and selected audio/video inputs, distributed to ten twisted pair outputs.

FEATURES

- Resolution - Up to and including WUXGA (1920x1080).
- Selectable Inputs - Local or twisted pair (WUXGA, audio and RS-232).
- Data Handling - Extensive bidirectional RS-232 embedding, de-embedding and other options.
- Selectable Analog or Digital Audio Input.
- EDID Capture - Copies and stores the EDID from a display device.
- Transmission Range - Up to 300ft (100m) over STP cabling.
- Flexible Control Options - Front panel, RS-232, RS-485, Ethernet.
- Controls - Source selection buttons, power and source indicator LEDs, TP LEVEL and EQ trimmers.
- Worldwide Power Supply - 100-240V AC.
- Standard 19" Rack Mount Size - 1U. Rack "ears" included.

TECHNICAL SPECIFICATIONS

INPUTS:	1 UXGA on a 15-pin HD connector, 1 unbalanced stereo audio on a 3.5mm mini jack, 1 S/PDIF on an RCA connector, 1 twisted pair on an RJ-45 connector.
OUTPUTS:	10 twisted pairs on RJ-45 connectors, 1 UXGA on 15-pin HD connectors, 1 unbalanced stereo audio 3.5mm mini jacks, 1 S/PDIF on RCA connectors.
CONTROL PORTS:	RS-232 3-pin terminal block (data and control), RS-485 3-pin terminal block (data and control), RJ-45 Ethernet (data and control).
RESOLUTION:	Up to WUXGA (1920 x 1200) and 2k.
MAX. OUTPUT LEVEL:	Video: 1.6Vpp, Audio: 2.3Vpp.
CONTROLS:	RS-232/RS-485/Ethernet program control, source control from front panel, TP-IN level and equalization from rear panel.
SERIAL BAUD RATE:	Up to 19200 bps.
SERIAL MODE:	Full-duplex.
BANDWIDTH:	AUDIO: 20Hz to 20kHz @0.5dB.
S/N RATIO:	Audio: <-80dB.
TOTAL GAIN:	Audio: 0dB.
COUPLING:	Audio: AC.
AUDIO THD + NOISE:	<0.03%.
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:	100-240V AC, 16VA.
DIMENSIONS:	48.26cm x 19.1cm x 1U (19" x 7.52" x 1U) W, D, H.
WEIGHT:	3.8kg (8.4lbs) approx.
INCLUDED ACCESSORIES:	Power cord, Windows® based control software, rack "ears".

