



KRAMER

TP-410

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

| VGA/UXGA - 15-pin HD | Ethernet - RJ-45



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



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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
INCLUDED ACCESSORIES:	Power cord, Windows® based control software, rack "ears"
Product Dimensions	19" x 7.20 x 1U (43.6cm x 18.30cm x 4.36cm) W, D, H
Product Weight	1.6kg (3.4lbs) approx
Shipping Dimensions	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H
Shipping Weight	2.5kg (5.5lbs) approx

