KRAMER

TP-107AV
2x1 Computer Graphics Video & Stereo Audio over Twisted Pair Transmitter

| VGA/UXGA - 15-pin HD

The TP-107AV and TP-107V are twisted pair transmitters for computer graphics video signals with resolutions up to UXGA and stereo audio signals (TP-107AV). These units are 2-input switchers that switch between a twisted pair input and a computer graphic video input with stereo audio to a single twisted pair output which can be sent to a compatible receiver

FEATURES

HDTV Compatible

Max. Resolution - WUXGA & 1080p

Input - 15-pin HD, 3.5mm (TP-107AV) & RJ-45

Output - RJ-45

Unique System Interconnect - Up to 16 TP-107AV units can be interconnected in a daisy chain configuration using the twisted pair cable. Any one of these units can be selected to go online either by pressing the ON LINE button or remotely from an RC-108 or RC-116 controller via K-Net™ or from any room controller supporting RS-485 communication

ID Bit Control

Sync Polarity Settings - H & V switches for improved HDTV compatibility with the CAT 5 outputs

System Range - Up to 100 meters (320ft). Greater distances possible depending on resolution, cable type and number of daisy chained units

Cable - STP (shielded twisted pair) such as CAT 5

K-Net Control Channel - Power and control data provided over a single cable

Control - K-Net for interconnect switching and RS-232 for firmware upgrades

K-Net Termination (Selectable)

TECHNICAL SPECIFICATIONS

INPUT:	1 XGA on a 15-pin HD connector, 1 CAT 5 on an RJ-45 connector (LINE IN) 1 stereo on 3.5mm phones
MAX. RESOLUTION	WUXGA & 1080p
OUTPUTS:	1 CAT 5 on an RJ-45 connector (LINE OUT)
MAX. OUTPUT LEVEL:	Video: 1.5Vpp Audio: 1.7Vpp
BANDWIDTH (-3dB):	Audio: 21kHz
S/N RATIO:	Video: 61dB @5MHz; Audio: 78dB
CROSSTALK (all hostile):	Video: -55.5dB @50MHz, video into audio
CONTROLS:	Slide switches bit: ID BIT (PIN 4), horizontal and vertical sync inversion; RS-232, RS-485, RS-485 TERM, PROGRAM
COUPLING:	Video: AC; Audio: AC
AUDIO THD + NOISE:	0.1%
AUDIO 2nd HARMONIC:	0.02%
INCLUDED ACCESSORIES:	Mounting bracket, K-NET and CAT 5 cables
OPTIONS:	RK-3T 19" rack adapter, power supply