KRAMER

DIP-20

4K60 4:2:0 HDMI & VGA StepIn PoE Transmitter with Ethernet, RS232 & Stereo Audio over ExtendedReach HDBaseT

| HDMI | Ethernet - RJ-45 | HDCP Compliant | HDBaseT | 4K/60 UHD (4:2:0)

The DIP20 is an extended reach 4K@60Hz (4:2:0), HDBaseT transmitter and Stepin commander for computer graphics video, HDMI, and unbalanced stereo audio embedding and deembedding. The DIP20 accepts HDMI and PC graphics video input, an Ethernet signal, serial data, and an unbalanced stereo audio input (that is embedded into the output signal). It transmits the signal to an HDBaseT (twisted pair) cable to a compatible receiver (for example, the TP588D or TP580RXR).

DIP20 is a PoE (Power over Ethernet) provider and can power compatible PoE acceptors (for example, TP588D)

FEATURES

Max. Data Rate - 10.2Gbps (3.4Gbps per graphic channel)

Max. Resolution - Up to 4K@60Hz (4:2:0) and WUXGA

HDTV Compatible

HDCP Compliant - Works with sources that support HDCP repeater mode

HDMI Support - Deep Color, x.v.Color™ and 3D

HDBaseT Certified

Automatic Live Input Detection - Based on video clock presence

Automatic Input Selection - Based on manual selection or last connected input

Automatic Analog Audio Detection & Embedding

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems

System Range - Up to 130m (430ft) at normal mode (2K), up to 100m at normal mode (4K); up to 180m (590ft) ultra mode (1080p @60Hz @24bpp) when using BCUNIKAT cables

Data Equalization and Reclocking

Local Balanced Audio De-Embedding

Support for Digital Audio Formats

Lockable EDID

Local Step-In Switching - Button & contact closure

Power Supply - Supports PoE to power a remote receiver (such as TP588D). Requires independent power supply

TECHNICAL SPECIFICATIONS

INPUTS:	2 HDMI on HDMI connectors, 1 VGA on a 15pin HD (F) connector, 1 unbalanced stereo audio 1V RMS (nominal) on a 3.5mm mini jack
OUTPUTS:	1 HDBaseT on an RJ45 connector, 1 unbalanced stereo audio 1V RMS (nominal) on a 3.5mm mini jack
PORTS:	1 Ethernet on an RJ45 connector, 1 RS232 3pin terminal block control port, 1 RS232 3pin terminal block data port, 1 USB on mini USB connector
CONTROLS:	Remote switches for input switching, stepin, volume control, and device reset switch
STANDARDS:	HDMI with Deep Color, x.v.Color™ and 3D; HDCP—works with sources that support HDCP repeater mode; HDBT certified
MAXIMUM ANALOG AUDIO LEVELS:	3.1Vpp
THD:	−75dBu
SNR:	0.013%
SUPPORTED WEB BROWSERS:	Windows 7 and higher: Internet Explorer (32/64 bit) version 11, Firefox version 30, Chrome version 35; MAC:Chrome version 35, Firefox version 27, Safari version 7; Android OS: Chrome version 35; iOS:Chrome version 35, Safari version 7
MAXIMUM TRANSMISSION DISTANCE:	180m (590ft) up to 1080p @60Hz @24bpp in extended mode, 130m (430ft) up to 1080p @60Hz @36bpp in normal mode
PRODUCT DIMENSION:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
PRODUCT WEIGHT:	0.5kg (1.0lbs) approx
SHIPPING DIMENSION:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
SHIPPING WEIGHT:	1.2kg (2.6lbs) approx
POWER CONSUMPTION:	48V DC, 630mA
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 noncondensing
COOLING:	Convection
ENCLOSURE TYPE:	Aluminium
ENVIRONMENTAL REGULATORY COMPLIANCE:	Complies with appropriate requirements of RoHs and WEEE
INCLUDED ACCESSORIES:	Power adapter 48V DC 1.36A, ADCDPM/HF DisplayPort (M) to HDMI (F) adapter cable, power cord, DIP20BP black panel
OPTIONS:	Rack adapter RKT2B
WARRANTY:	7 years parts and labor

CONFIGURATIONS

DIP-20BP   Black Front Panel for DIP-20