DIP-20

Module Step-In & Emetteur 2 HDMI & 1 VGA avec Ethernet, RS-232 bidirectionnelle & Audio Stéréo sur HDBaseT

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



Le DIP−20 est un émetteur HDBaseT, 4K et module Step−in pour signaux HDMI, VGA et audio stéréo asymétrique (embeddé et desembeddé). Le DIP−20 accepte les signaux HDMI et VGA, Ethernet, les données série et possède une entrée audio stéréo asymétrique (qui est embarquée dans le signal de sortie). Il transmet le signal à un récepteur compatible (par exemple, le TP− 588D, TP− 580RXR) via le câble HDBaseT (paire torsadée). Le DIP− 20 fournit une alimentation PoE (Power over Ethernet) peut alimenter des appareils compatibles PoE (par exemple, le TP− 588D). Il prend en charge des résolutions allant jusqu'à 4K@60Hz (4:2:0) UHD

FEATURES

Simple and Powerful Maestro Room Automation - Intuitive user interface enables you to fully automate your meeting room elements. Configure lights, shades, devices and more to be activated by an extensive range of triggers, including input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room automation saves meeting prep time and minimizes human error before presentations

High Performance Switcher Transmitter - Professional HDBaseT Switcher transmitter for providing extended reach signals over twisted pair copper infrastructures. This switcher transmitter is a standard transmitter that can be connected to any market available HDBaseT compliant extension product

BYOD Plug & Play Auto Switcher - Automatically plays the switched user device source signal on the connected display according to user configured preferences, such as priority or last connected input. When the user manually switches, by pressing a button, the auto switching is overridden

Simple Switching Operation - Local buttons or remotely connected contact closure buttons for flexible user input selection and switching control

HDMI™ Signal Switching - HDCP compliant, supporting deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS HD, 2K, 4K, and 3D as specified in HDMI 2.0

I EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing, locking and pass through algorithm ensures plug & play operation for HDMI source and display systems

Multi channel Audio Switching - Up to 32 channels of digital stereo uncompressed signals for supporting studio grade surround sound

Audio Embedding - An auto−detected analog stereo audio input, per user selection, is converted into a digital signal and embedded in the output HDMI signal, replacing the source HDMI audio input signal. This enables, for example, a presenter to temporarily override the playing source audio with speech description

Audio De embedding - The digital audio signal passing through to the output, is de embedded, converted to an analog signal and sent to the stereo analog audio output. This enables playing the audio on locally connected speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers)

Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control

Bidirectional RS–232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Reliable PoE (Power over Ethernet) Powering - Provides power via the extension line to a remote PoE acceptor device, such as a PoE receiver

Cost-effective Maintenance - Status LED indicators for HDMI, VGA and HDBT ports facilitate easy local maintenance and troubleshooting. Remote IP−driven device management via built in web pages and RS–232 connection. Local and remote firmware upgrade via RS–232 or Ethernet connection tool ensure lasting, field proven deployment

Easy Installation - Single cable connectivity for both HDBaseT signals and power. Compact MegaTOOLS™ fan−less enclosure for flexible table mounting

TECHNICAL SPECIFICATIONS

Inputs	2 HDMI: On HDMI connectors
	1 VGA: On a 15−pin HD (F) connector
	1 Unbalanced Stereo Audio 1V RMS (nominal): On a 3.5mm jack
Outputs	1 HDBaseT On an RJ−45 connector
	1 Unbalanced Stereo Audio 1V RMS (nominal): On a 3.5mm jack
Ports	1 RS-232: On a 3−pin terminal block for serial link extension
	1 RS−232: On a 3–pin terminal block for device serial control
	1 100BaseT Ethernet: On an RJ−45 connector
	1 USB: On mini USB connector
	4 Contact-Closure Switches: On a 5–pin terminal block for remote device operation
Video	Max. Data Rate: 10.2Gbps (3.4Gbps per graphic channel)
	Max. Resolution: 4K@60Hz (4:2:0) 24bpp resolution
	HDMI Support: Deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS HD, 2K, 4K, and 3D as specified in HDMI 2.0
	Compliance: HDCP 1.4
Extension Line	Up to 100m (330ft): At 4K@60Hz (4:2:0)
	Up to 130m (430ft): At full HD (1080p @60Hz 36bpp)
	Up to 180m (590ft): At HDBaseT ultra mode and full HD (1080p @60Hz 24bpp)
	Note: When using Kramer HDBaseT cables
	Compliance: HDBaseT 1.0
Audio	Max. Level: 3.1 Vpp
	THD: 0.013%
	SNR: −70dB
Extended Ethernet	Line rate bandwidth: Up to 100Mbps
Extended RS-232	Baud rate: 300 to 115200
Power	Source: 48V DC, 1.36A
	Consumption: 630mA (includes 200mA for PoE over HDBaseT)
Environmental Conditions	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
Enclosure	Cooling: Convection
	Type: Aluminum
	Size: MegaTools®
REGLEMENTATION	Environmental RoHs, WEEE, and CE
Accessories	Included: Power adapter 48V DC 1.36A

DIMENSIONS PRODUIT	18.80cm x 0.15cm x 2.50cm (7.40" x 0.06" x 0.98") W, D, H
	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H
POIDS PRODUIT	0.0kg (0.0lbs) approx
	0.5kg (1.0lbs) approx
DIMENSIONS CONDITIONNEMENT	28.50cm x 10.50cm x 5.90cm (11.22" x 4.13" x 2.32") W, D, H
	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H
POIDS CONDITIONNEMENT	0.6kg (1.2lbs) approx
	1.2kg (2.6lbs) approx

