



KRAMER

DIP-22

4K60 4:2:0 DisplayPort (DP++), HDMI & VGA
Auto Switcher with Bidirectional PoE over
HDBaseT and Maestro Room Automation

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



DIP-22 is an extended reach 4K@60Hz (4:2:0) HDBaseT transmitter and Step-in commander for DisplayPort (DP++), HDMI and VGA video input and unbalanced stereo audio input. It provides full room automation including control of lights, screens, shades and many other exciting options. In addition, DIP-22 accepts Ethernet and serial data input signals for control.

DIP-22 is a PoE (Power over Ethernet) provider and acceptor, so it can simplify your installation and save you time and money by powering other devices or by receiving power over the network

FEATURES

High-Performance Standard Switcher - Professional HDBaseT certified switcher with HDTV compatibility, HDCP compliance (works with sources that support HDCP repeater mode), and HDMI Deep Color, x.v.Color™ and 3D support. Features data equalization and reclocking

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 scheduling, input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room automation saves meeting prep time and minimizes human error before presentations

Automatic Live Input Detection and Selection - Input is detected based on video clock presence and the user can configure automatic input selection according to priority or last connected input

Analog Audio Embedding and De-embedding - Embeds the analog audio input signal in the HDBaseT output signal and extracts the HDMI audio signal and outputs it as analog audio

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

System Range - Up to 180m (590ft) in ultra mode (1080p @60Hz @24bpp), up to 130m (430ft) in normal mode (2K), and up to 100m at normal mode (4K). Note: When using recommended Kramer cables

Local Step-In Switching - Button & contact closure

Versatile Power Options - Powered by a compatible PoE provider or by the 48V power adapter. Supplies PoE power to a compatible remote receiver



TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: on a female HDMI connector 1 DisplayPort (DP++): on a female DisplayPort connector 1 VGA: on a 15-pin HD (F) connector 1 Unbalanced Stereo Audio 1V RMS (nominal): on a 3.5mm mini jack
Outputs	1 HDBaseT: on an RJ-45 connector 1 Unbalanced Stereo Audio 1V RMS (nominal): on a 3.5mm mini jack
Ports	1 Ethernet: on an RJ-45 connector 1 RS-232 Control: on a 3-pin terminal block 1 RS-232 Data: on a 3-pin terminal block 1 USB: on mini USB connector
Video	HDMI Support: Deep Color, x.v.Color™ and 3D HDCP Compliance: works with sources that support HDCP repeater mode HDBaseT: Certified
Extension Line	Extended Mode: Up to 180m (590ft) at 1080p @60Hz @24bpp Normal Mode: Up to 130m (430ft) at 1080p @60Hz @36bpp High-Resolution Mode: Up to 100m (33.8ft) at 4K60 4:2:0
Audio	Maximum Analog Audio Levels: 3.1Vpp THD: 0.013% SNR: -75dBu
Room Automation	Kramer Maestro: Version 1.5
Power	Source: 48V DC Consumption: 500mA
User Interface	Controls: Remote switches for input switching, step-in, volume control, and device reset switch Indicators: HDBaseT Link and Power ON LEDs
Supported PC Web Browsers	Windows 7: Internet Explorer, Firefox, Chrome, Safari Windows 10: Internet Explorer, Edge, Firefox, Chrome MAC 10.11: Safari
STANDARDS COMPLIANCE	Environmental: RoHs and WEEE
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	Size: MegaTOOLS® – Mount 2 units side-by-side in a 1U rack space Enclosure Type: Aluminum

Cooling: Convection

Accessories Included: 48V DC power adapter

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 (1.1lbs) approx

SHIPPING DIMENSION: 34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H

SHIPPING WEIGHT: 1.0kg (2.3lbs) approx

