VM-2HDT

1:2+1 4K60 4:2:0 HDMI to Long−Reach HDBaseT DA

VM−2HDT is a high−quality, long−reach 1:2 HDBaseT extender distributor that takes one HDMI input, with IR and RS−232 control signals, converts it to an HDBaseT extension line signal and distributes it to 2 HDBaseT outputs that connect to compatible HDBaseT receivers such as TP−580R. VM−2HDT distributes signals with resolutions of up to 4K@60Hz (4:2:0), and includes an HDMI LOOP output for connecting to an additional unit in a daisy chain.

FEATURES

- High Performance Distribution - Distributes one HDMI signal to two long–reach HDBaseT extension outputs with up to 4K video resolution, and additional HDMI LOOP output for connecting a local monitor or an additional unit in a daisy chain.
- Extension–line Distribution - Distributes a 4K@60Hz (4:2:0) 24bpp (maximum) video signal over HDBaseT extension line to a distance of up to 40m (130ft) long–reach, and even further for lower video resolutions.
- Standard Compatibility - Connects to any HDBaseT compliant extension product on the market.
- HDMI Signal Transmission - HDMI 2.0 and HDCP 1.4 compliant signal, supporting Deep Color, x.v.Color™, Lip Sync, 7.1 PCM, Dolby TrueHD, DTS–HD, 2K, 4K, and 3D. EDID and CEC (OUT 1 only) signals are passed through from the source to the display.
- I–EDIDPro™ Kramer Intelligent EDID Processing™ - An intelligent EDID handling, processing and pass–through algorithm that ensures Plug and Play operation for HDMI source and display systems.
- Kramer Equalization & re–Klocking™ Technology - Rebuilds the digital signal integrity to travel longer distances.
- User-Friendly Operation - Status indicators for HDMI and HDBaseT input/output connected signals and power for ease of maintenance and troubleshooting.
- Easy Installation - Twisted–pair cables for HDBaseT signals wiring. Compact Mega TOOLS™ fan–less enclosure for over–ceiling mounting, or side–by–side rack mounting.

TECHNICAL SPECIFICATIONS

INPUTS

1 HDMI	On an HDMI female connector

OUTPUTS

2 HDBT	On RJ–45 female connectors
1 LOOP HDMI	On an HDMI female connector

PORTS

1 IR	On a 3.5mm mini jack for IR link extension
1 RS−232	On a 3−pin terminal block for serial link extension

EXTENSION LINE

UP TO 40M (130FT)	At 4K@60Hz (4:2:0) (when using Kramer HDBaseT cables)
UP TO 70M (230FT)	At full HD (1080p @60Hz 36bpp) (when using Kramer HDBaseT cables)

VIDEO

MAX. DATA RATE	10.2Gbps (3.4Gbps per graphic channel)
MAX. RESOLUTION	Up to 4K@60Hz (4:2:0) 24bpp
STANDARDS COMPLIANCE	Supports HDMI 2.0, HDCP 1.4 and HDBaseT 1.0.

POWER

SOURCE	5.2V DC, 4A
CONSUMPTION	5V DC, 1.6A

USER INTERFACE

INDICATOR LEDS	Outputs, inputs, communication link and power.
CONTROLS	EDID setup button, 12 setup DIP switches
1 RS-232	On a Mini−USB female connector for firmware upgrade

ENVIRONMENTAL CONDITIONS

OPERATING TEMPERARTURE	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	MegaTool
TYPE	Aluminum
COOLING	Convection ventilation

ACCESSORIES

INCLUDED	Power supply.
OPTIONAL	RK−T2B 19” rack adapter.
PRODUCT DIMENSIONS:	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 DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H