KRAMER

VM-214DT

2x1:4 4K60 4:2:0 HDMI & Extended-Reach HDBaseT with Ethernet, RS-232, IR & Stereo Audio Switchable DA

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

VM-214DT is a high-quality, extended-reach 4K@60Hz (4:2:0) HDBaseT distributor that takes either an HDMI or an extended-reach HDBaseT input (selectable), equalizes and reclocks the signal and distributes it to four identical extended-reach HDBaseT outputs along with an Ethernet, RS-232, and IR control signal. The unit also includes a loop HDMI output with audio de-embedding (extraction) to an analog stereo port. As an integrated extender distributor, VM-214DT re-extends and distributes native extended-reach HDBaseT signals with up to 4K video resolution

FEATURES

High Performance Extender Distributor - High-quality professional 1:4 distribution of native extended-reach HDBaseT signals, for deploying mid-way between an AV source and multiple remote displays and gaining extra extended-reach extension. It is coupled with both sides, input and output, extension of a maximum 4K@60Hz (4:2:0) 24bpp video resolution signal to maximum 100m (330ft) extended-reach over CAT copper cable, and even further reach for lower HD video resolution. The extender distributor is standard and capable of being connected to any market-available HDBaseT compliant extending product

Cables - For optimum range and performance, use recommended Kramer cables

HDMI Signal Extension - HDCP 1.4 compliant signal, supporting deep color, x.v.Color™, lip sync, 7.1 PCM, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0. EDID 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

Looping HDMI Output - Enables monitoring and cascading to additional DAs

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

Bidirectional RS-232 Extension - Serial interface data flows in both directions, enabling data transmission and control of devices

Bidirectional Infrared Extension - IR interface data flows in both directions, enabling remote control of peripheral devices located at either end of the extended line

Cost-effective Maintenance - Status LED indicators for HDMI and HDBT ports to facilitate easy local maintenance and troubleshooting. Remote IP device management via built-in web pages or RS-232 control connection. Local and remote firmware upgrade via mini-USB, control RS-232 or Ethernet connection and the K-Upload tool to ensure long field-proven deployment

Easy Installation - Twisted-pair cables for HDBaseT signals wiring. Rack mountable enclosure for mounting in a 1U rack space with included rack ears

TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: On a female HDMI connector
	1 HDBT: On an RJ−45 connector
Outputs	1 HDMI: On a female HDMI connector
	4 HDBT: On RJ−45 connector
	1 Unbalanced Stereo Audio: On a 3.5mm mini jack
Ports	1 IR: On a 3.5mm mini jack for IR link extension via HDBT outputs
	1 RS-232: On a 3−pin terminal block for serial link extension via HDBT outputs
	1 Mini USB: On a female USB connector for firmware upgrade
	1 RS-232: On a 3−pin terminal block for device control
	1 10/100BaseT Ethernet: On an RJ−45 female connector for device control via LAN and Ethernet link extension via HDBT outputs
Extension Line	4K @60Hz (4:2:0): Up to 100m (330ft)
	Full HD (1080p @60Hz 36bpp): Up to 130m (430ft)
	HDBaseT Ultra Mode and Full HD (1080p @60Hz 24bpp) Up to 180m (590ft)
	Compliance: HDBaseT 1.0
Video	Max. Resolution: 4K@60Hz (4:2:0) and 4K@30Hz (4:4:4)
	Compliance: Supports and HDCP 1.4
	HDMI Support Deep color, x.v.Color™, lip sync, 7.1 PCM, Dolby TrueHD, DTS−HD, 2K, 4K, and 3D as specified in HDMI 2.0
Analog Audio	Max Level: 1 Vrms
	THD + Noise: 0.03% @1kHz at nominal level
User Interface	Controls Input select, volume, and EDID read/select buttons. RS−232 device control, Ethernet, and DIP−switches
	Indicators Input select, EDID type, outputs and IR signal LEDs
Supported Web Browsers	Windows 7 and Higher − Internet Explorer (32/64 bit) version 10, Firefox version 30, Chrome version 35
	MAC − Chrome version 35, Chrome version 63.0.3239.84, Firefox version 30, Firefox version 57.0.2, Safari version 7
	Minimum Browser Window Size − 1024 x 768 when in full screen mode
Power	Consumption: 16VA
	Source: 100−240V AC, 50/60Hz
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
STANDARDS COMPLIANCE	Safety: CE
	Environmental: RoHs, WEEE

Enclosure	Size: 19" 1U
	Type: Aluminum
	Cooling: Fan Ventilation
Accessories	Included: Power power cord, rack ears
Product Dimensions	43.64cm x 18.30cm x 4.36cm (17.18" x 7.20" x 1.72") W, D, H
Product Weight	1.6kg (3.4lbs) approx
Shipping Dimensions	55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H
Shipping Weight	2.7kg (6.0lbs) approx