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VM-218DTxr

2x1:8 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-218DTxr 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 eight identical extended-reach HDBaseT outputs, each with its own Ethernet and RS-232/IR control signals. The unit also includes a loop HDMI output along with audio de-embedding (extraction) to analog stereo port. As an integrated extender distributor, VM-218DTxr re-extends and distributes native extended-reach HDBaseT signals with up to 4K video resolution

FEATURES

High Performance Extender Distributor - High-quality professional 1:8 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 on each extension line, 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, on each extension line, enabling data transmission and control of devices

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

Audio De-embedding (Extraction) - The transmitted digital audio signal is converted to an analog signal and de-embedded to stereo unbalanced analog audio output. This enables user-selectable de-embedding of input digital audio to play at local hi-quality speakers separate from a remote receiver-connected AV sink device, such as a TV display or audio speakers, to provide higher quality audio playback

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



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TECHNICAL SPECIFICATIONS

Inputs	1 HDMI On a female HDMI connector 1 HDBT on an RJ-45 female connector
Outputs	1 HDMI On a female HDMI connector 8 HDBaseT on RJ-45 female connectors 1 Stereo Analog Audio on a 3.5mm mini jack
Ports	1 Ethernet on an RJ-45 female connector 8 IR on 3.5mm mini jacks 8 RS-232 on 3-pin terminal blocks
Video	Max. Data Rate 10.2Gbps (3.4Gbps per graphic channel) Max. Resolution 4K@60Hz (4:2:0) 24bpp Standards Compliance Supports HDCP 1.4 and HDBaseT 1.0 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
Extension Line	Range Extension (Input or Output Each Side) 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
User Interface	CONTROLS: Input select, volume, and EDID read/select buttons. RS-232 device control, Ethernet, and DIP-switches INDICATOR LEDs: Input select, EDID type, outputs and IR signal LEDs
Power	Source 100-240V AC 50/60Hz Consumption 800mA
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 Forced air, fan Type Aluminum
Regulatory Compliance (Standards Compliance)	Vibration ISTA 1A in carton (International Safe Transit Association) Safety CE Environmental Complies with appropriate requirements of RoHs and WEEE
Accessories	Included Power cord, rack ears
Product Dimensions	19" x 9.34 x 1U (43.6cm x 23.72cm x 4.36cm) W, D, H
Product Weight	2.5kg (5.4lbs) approx

Shipping Dimensions 52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21") W, D, H

Shipping Weight 3.2kg (7.1lbs) approx

