VM-218DT
2x1:8 4K60 4:2:0 HDMI & Long-Reach HDBaseT, RS-232, IR & Stereo Audio Switchable DA

VM-218DT is a high-quality, long-reach 4K@60Hz (4:2:0) HDBaseT distributor that takes either an HDMI or a long-reach HDBaseT input (selectable), equalizes and reclocks the signal and distributes it to eight identical long-reach HDBaseT outputs, each with its own 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, the VM-218DT reextends and distributes native long-reach HDBaseT signals with up to 4K video resolution.

FEATURES

High Performance Extender Distributor - High-quality professional 1:8 distribution of native long-reach HDBaseT signals, for deploying mid-way between an AV source and multiple remote displays and gaining extra long-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 40m (130ft) long-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.

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 'ear' rack adapter.
## 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 40m (130ft) at 4K @60Hz (4:2:0), up to 70m (230ft) at full HD (1080p @60Hz 36bpp).
  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
- Indicators: 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