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 balanced 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.
### 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
- 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