



## VM-218DT

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

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



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-de-embedding (extraction) to analog stereo port. As an integrated extender distributor, the VM-218DT re-extends 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

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|                                              |                                                                                                                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).<br>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

