



VM-1H4C

1:4 HDMI Twisted Pair Transmitter & Distribution Amplifier



The VM-1H4C is a high-quality twisted pair distribution amplifier for HDMI signals. The unit receives serial commands and IR signals transparently via the RS-232 port and the TP link. It reclocks and equalizes the input signal and distributes it to four DGKat TP outputs.

FEATURES

- **Max. Data Rate** - Supports up to 4.95Gbps (1.65Gbps per graphic channel).
- **HDTV Compatible.**
- **HDCP Compliant.**
- **DGKat™ Signal Integration** - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- **I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.
- **HDMI Support** - x.v.Color™ and uncompressed audio channels, Dolby TrueHD, DTS-HD.
- **3D Pass-Through.**
- **Kramer Equalization & re-Klocking™ Technology** - Rebuilds the digital signal to travel longer distances.
- **System Range** - Up to 90m (295ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BC-DGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC-DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BC-DGKat7a23 cable.
- **Power Connect** - The VM-1H4C provides power to the twisted pair receivers when they are within 270ft (90m) of the transmitter.
- **Cable** - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC-DGKat524, BC-DGKat623 or BC-DGKat7a23 cables. Note that the transmission range depends on the signal resolution, source device and display used. The distance using non-Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- **Active Input & Output LED Indicators.**
- **Serial Command Handling** - Receives serial commands transparently via the RS-232 port and the TP link.
- **Desktop Size** - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with an optional RK-1 adapter.



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TECHNICAL SPECIFICATIONS

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|--------------------------------|---|
| INPUTS: | 1 HDMI connector, 1 IR on a 3.5mm mini jack. |
| OUTPUTS: | 4 twisted pair on RJ-45 connectors. |
| BANDWIDTH: | Supports up to 4.95Gbps (1.65Gbps per graphic channel). |
| COMPLIANCE WITH HDMI STANDARD: | Supports HDMI and HDCP. |
| INDICATOR LEDs: | Power, INPUT, OUTPUT 1, 2, 3 and 4. |
| POWER CONSUMPTION: | 12V DC, 2A. |
| OPERATING TEMPERATURE: | 0° to +55°C (32° to 131°F). |
| STORAGE TEMPERATURE: | -45° to +72°C (-49° to 162°F). |
| HUMIDITY: | 10% to 90%, RHL non-condensing. |
| DIMENSIONS: | 21.5cm x 16.2cm x 4.4cm (8.5" x 6.38" x 1.7") W, D, H. |
| WEIGHT: | 0.9kg (1.98lbs) approx. |
| ACCESSORIES: | Power supply. |
| OPTIONS: | RK-1 19" rack adapter. |

