



## VM-114H

2x1:4 HDMI/Twisted Pair Switcher & HDMI Distribution Amplifier



The **VM-114H** is a switcher/distribution amplifier for HDMI and DGKat™ twisted pair signals. It reclocks and equalizes one of two selectable input signals and distributes it to four identical HDMI outputs.

### FEATURES

- **Max. Data Rate** - 6.75Gbps (2.25Gbps per graphic channel, HDMI), 4.95Gbps (1.65Gbps per graphic channel, DGKat).
- **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** - Deep Color (on the HDMI input), x.v.Color™, HDMI 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.
- **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, graphics card 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.**
- **Power Connect™ System** - A single connection to the transmitter or the receiver powers both units when the devices are within 90m (270ft) of each other.
- **Flexible Control Options** - Front panel buttons, RS-232, IR control sensor, remote included.
- **Desktop Size** - Compact size. 2 units can be rack mounted side-by-side in a 1U rack space with the optional RK-1 adapter.

TECHNICAL SPECIFICATIONS

|                                |  |
|--------------------------------|--|
| INPUTS:                        | 1 HDMI connector; 1 DGKat™ on an RJ-45 connector.  |
| OUTPUTS:                       | 4 HDMI connectors.   |
| MAX. DATA RATE:                | 6.75Gbps (2.25Gbps per graphic channel, HDMI), 4.95Gbps (1.65Gbps per graphic channel, DGKat). |
| COMPLIANCE WITH HDMI STANDARD: | Supports HDMI and HDCP.  |
| CONTROLS:                      | Input select button, EDID select button, panel lock button.                                    |
| INDICATOR LEDs:                | IR communication, power, IN 1 (HDMI), IN 2 (CAT 5), OUTPUT 1, 2, 3 and 4.                      |
| POWER CONSUMPTION:             | 12V DC, 500mA.   |
| DIMENSIONS:                    | 21.5cm x 7.5cm x 4.4cm (8.5" x 3.0" x 1.7") W, D, H.   |
| WEIGHT:                        | 0.9kg (1.98lbs) approx.  |
| INCLUDED ACCESSORIES:          | Power supply, bracket installation kit, RC-IR3 infrared remote control transmitter.            |
| OPTIONS:                       | RK-1 19" rack adapter.   |

