VM-114H4C

2x1:4 HDMI Twisted Pair Transmitter & Distribution Amplifier

The VM−114H4C is a high−performance switcher and distribution amplifier for HDMI and DGKat™ twisted pair signals. It reclocks and equalizes one of two selectable input signals (HDMI or DGKat twisted pair) and distributes it to four DGKat twisted pair outputs.

FEATURES

- **Max. Data Rate** - 1.65Gbps bandwidth 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.

- **Inputs** - 1 HDMI & 1 DGKat twisted pair on an RJ−45 connector.

- **Outputs** - 4 DGKat twisted pairs on RJ−45 connectors.

- **I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.

- **HDMI Support** - HDMI (V.1.4 with x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS−HD (only on the TP inputs and outputs)).

- **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, 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.**

- **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, infrared control sensor, remote included.

VM-114H4C

TECHNICAL SPECIFICATIONS

INPUTS:	1 HDMI connector, 1 DGKat twisted pair on an RJ−45 connector.
OUTPUTS:	4 DGKat twisted pairs on RJ−45 connectors.
BANDWIDTH:	Supports up to 1.65Gbps bandwidth per graphic channel.
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 (CAT5), OUTPUT 1, 2, 3 and 4.
POWER SOURCE:	12V DC, 2A.
DIMENSIONS:	21.5cm x 16.3cm x 4.4cm (8.5" x 6.4" x 1.7") W, D, H.
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply, bracket installation kit, RC−IR3 infrared remote control transmitter.
OPTIONS:	RK−1 19" rack adapter.