



# KRAMER

## VS-48UHD

4x8 4K60 4:2:0 Matrix Switcher

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



VS-48UHD is a high-quality 4x8 matrix switcher for 4K@60Hz (4:2:0) HDMI signals and embedded audio. It reclocks and equalizes the signals and can route any one of four HDMI, HDCP-compliant sources (selectable) to any or all outputs simultaneously. VS-48UHD offers a flexible audio scheme where any HDMI digital audio input can be routed to any HDMI digital audio output in addition to ARC support to produce an equivalent 12x10 audio matrix

### FEATURES

**Max. Data Rate** - 8.91Gbps data rate (2.97Gbps per graphics channel)

**Max. Resolution** - 4K@60Hz (4:2:0)

**Independent 12x10 Audio Matrix** - With 4 embedded digital inputs + 8 ARC inputs and 8 digital outputs + 2 ARC outputs

**Kramer Step-In Over HDMI Technology**

**HDMI, HDCP and DVI Compliance**

**Selectable HDCP Off per Input**

**Memory Locations** - 12 presets for quick access to common configurations

**Advanced EDID Management per Input**

**Active Source & Acceptor Detection**

**Automatic Input Selection** - Based on priority selection or last connected input

**Firmware Upgrade** - Via mini USB, Ethernet or the RS-232 port

**HDMI Support** - Deep Color, 3D, ARC, up to 7.1 uncompressed audio channels

**Kramer reKlocking™ and Equalization Technology** - Rebuilds the digital signal to travel longer distances

**Embedded Pattern Generator** - With selectable patterns

**Lock Button** - To prevent tampering

**Kramer Protocol 3000 Support**

**Control Options** - RS-232 serial commands transmitted by a PC, touch screen system or other serial controller, Ethernet port via LAN, embedded Web pages via LAN for configuration and control

**Size** - Standard 19" (1U). Rack "ears" included



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## TECHNICAL SPECIFICATIONS

Inputs	4 HDMI On female HDMI connectors
Outputs	8 HDMI On female HDMI connectors
Ports	1 Programming On a Mini-USB connector 1 RS-232 On a 3-pin terminal block connector 1 Ethernet On an RJ-45 connector 1 USB On a USB-type A connector for powering an external device
Video	Max. Resolutions 4K@60Hz (4:2:0) and 4K@30Hz (4:4:4) Standards Compliance HDCP 1.4
User Interface	Indicators OUTPUT/INPUT LED Display Control Front panel buttons, RS-232, Ethernet remote connection
Power	Source 100-240V/50-60Hz Consumption 500mA
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%, RH (non-condensing)
Accessories	Included Rack ears, power cord
Product Dimensions	19" x 9.34 x 1U (43.6cm x 23.72cm x 4.36cm) W, D, H
Product Weight	2.4kg (5.3lbs) approx
Shipping Dimensions	52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21" ) W, D, H
Shipping Weight	3.3kg (7.3lbs) approx

