VS−44H2A is a high−performance 4x4 matrix switcher for 18G 4K@60Hz (4:4:4) HDR HDMI signals. It reclocks and equalizes the signals and can route any one of four HDMI, HDCP−compliant sources (selectable) to any or all outputs simultaneously.

**FEATURES**

- **High−Performance AV Matrix** - Switches 4 4K@60Hz (4:4:4) HDR HDMI HDCP−compliant signals to 4 18G 4K@60Hz (4:4:4) HDR HDMI HDCP−compliant outputs at up to 18G data rate. Signals are HDCP 2.2/1.4 compliant, supporting HDR10, xvYCC color, Dolby TureHD/DTS−HD Master Audio, 3D Video as specified in HDMI 2.0.

- **Analog and Digital Audio De−embedding (Extraction)** - De−embeds the audio signal and outputs it as balanced analog audio with separate volume control on each of the outputs and S/PDIF digital audio.

- **Easy Step−In Collaboration Function** - When used with a Kramer Step−In enabled switcher, just plug in your device and press the Step−In button. Your device becomes the active signal on the main display.

- **Features Kramer Equalization & reKlocking™ Technology** - Rebuilds the digital signal to travel longer distances.

- **EDID Management** - Individual EDID management per input. Captures and stores the EDID from a display device.

- **Flexible Content Protection** - Selectable HDCP per input.

- **Quick Access to Common Configurations** - Save up to four preset configurations and recall them using front panel buttons.

- **Convenient Unit Control and Configuration Options** - Local control via front panel switching, memory, lock and EDID buttons, Input/Output LED display and IR remote control. Distance control via user−friendly embedded web pages via the Ethernet, Protocol 3000 API, and RS−232 serial commands transmitted by a PC, touch screen system or other serial controller.

- **Cost−Effective Maintenance** - IR and Input Selection indicators facilitate easy local maintenance and troubleshooting. Firmware upgrade via Ethernet or USB using a user−friendly software upgrade tool.

- **Easy Installation** - 19” enclosure for rack mounting a unit in a 1U rack space with included rack ears and universal 100–240V AC power connection.
## TECHNICAL SPECIFICATIONS

### Inputs
- 4 HDMI: On female HDMI connectors

### Outputs
- 4 HDMI: On female HDMI connectors
- 4 S/PDIF: On female RCA connectors
- 4 Balanced Stereo Audio: On 5-pin terminal block connectors

### Ports
- 1 USB: On a Mini female connector
- 1 RS-232: On a 9-pin D-sub connector
- 1 IR IN: On a 3.5mm mini jack
- 1 Ethernet: On an RJ-45 female connector

### Video
- Max. Resolution: 4K@60Hz 4:4:4
- Max. Data Rate: 18Gbps (6Gbps per graphic channel)
- Content Protection Supports HDCP 2.2/1.4
- HDMI Support HDR10, xvYCC color, Dolby TrueHD/DTS-HD Master Audio, 3D Video as specified in HDMI 2.0

### User Interface
- Front Panel: IN and OUT selection buttons; OFF, ALL, STO, RCL EDID, LOCK buttons

### Power
- Source: 100–240V AC, 50/60Hz
- Consumption: 60VA

### 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

### STANDARDS COMPLIANCE
- Safety: CE
- Environmental: RoHs, WEEE

### Enclosure
- Size: 19" 1U
- Type Aluminum
- Cooling: Fan

### Accessories
- Included: Power cord, rack ears, IR remote control (upon request)

### Product Dimensions
- 43.64cm x 23.72cm x 4.36cm (17.18" x 9.34" x 1.72") W, D, H
- 43.64cm x 18.30cm x 4.36cm (17.18" x 7.20" x 1.72") W, D, H

### Product Weight
- 2.0kg (4.5lbs) approx
- 2.0kg (4.5lbs) approx

### Shipping Dimensions
- 52.50cm x 33.00cm x 10.70cm (20.67" x 12.99" x 4.21") W, D, H
- 55.00cm x 27.60cm x 10.70cm (21.65" x 10.87" x 4.21") W, D, H

### Shipping Weight
- 2.9kg (6.5lbs) approx
- 2.9kg (6.5lbs) approx