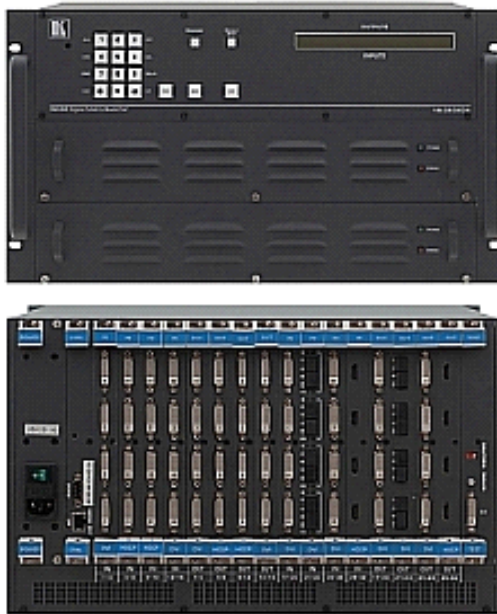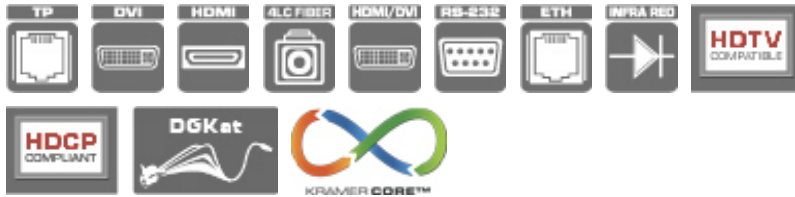## VS-3232DN

4x4 to 32x32 Modular Multi−Format Digital Matrix Switcher







The VS−3232DN is a high−performance matrix switcher chassis for DVI & HDMI signals. The unit is modular and populated from 4x4 to 32x32 in increments of four inputs and/or four outputs. The chassis includes one power supply but can also accept a second redundant power supply (sold separately), a control module and a test module that monitors and tests any input and output in the matrix.

## VS-3232DN

### FEATURES

- **Kramer Core™** - FLEXIBLE INFRASTRUCTURE CONVERSION! Copper, Fiber or Twisted Pair − all can be used at the same time, according to input/output module selection. The matrix receives digital signals from compatible Kramer transmitters, automatically converts between available infrastructure options and sends the signals to compatible Kramer receivers. Kramer Core™ solution is the ultimate in versatility!

- **Max. Data Rate** - Up to 10.4Gbps (3.2Gbps per graphics channel).

- **HDTV Compatible.**

- **HDCP Compliant** - With DVI (HDCP), HDMI & DGKat (Twisted Pair) modules.

- **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.

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

- **Modular & Easily Configurable Platform** - Input or output module types can be mixed and added in increments of 4 from 4x4 up to 32x32.

- **Available Modules** - DVI, DVI (HDCP), DVI (Dual Link), HDMI, LC Optical & DGKat Twisted Pair.

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

- **Flexible Control Options** - Front panel, IR remote, RS−232 (K−Router™ Windows®−based software is included), Ethernet.

- **Front Panel Lockout.**

- **Take Button** - Executes multiple switches all at once.

- **Memory Locations** - Stores multiple switches as presets to be recalled and executed when needed.

- **Test Pattern Module** - With 4 output resolutions for troubleshooting video problems.

- **Worldwide Power Supply** - 100−240V AC, with optional Hot−Swappable redundant power supply.

- **Standard 19" Rack Mount Size** - 6U. Rack "ears" included.

## VS-3232DN

### TECHNICAL SPECIFICATIONS

| | |
|---|---|
| INPUTS: | 32 DVI or HDCP, 1.2Vpp on DVI Molex 24−pin (F) connectors; DDC signal 5Vpp (TTL). |
| OUTPUTS: | 32 DVI or HDCP, 1.2Vpp on DVI Molex 24−pin (F) connectors; DDC signal 5Vpp (TTL). |
| MAX. DATA RATE: | Up to 10.4Gbps (3.2Gbps per graphics channel). |
| COMPLIANCE WITH STANDARDS: | Supports DVI 1.0. |
| MAX RESOLUTION: | Up to UXGA; 1080p, 1920x1200. |
| CONTROLS: | Front panel buttons, infrared remote control transmitter, RS−232, Ethernet. |
| SWITCHING: | Confirm or At Once for immediate switching. |
| POWER CONSUMPTION: | 100−240V AC, 50/60Hz, 320VA with optional Hot−Swappable redundant power supply |
| DIMENSIONS: | 19" x 15" x 6U (W, D, H) rack−mountable. |
| WEIGHT: | 11.5kg (25.4lbs) approx. |
| ACCESSORIES: | Power cord, null−modem adapter, infrared remote control transmitter. |

### CONFIGURATIONS

| Model | Description |
|---|---|
| **Input Modules** | |
| DVI-IN4-F32 | 4-Input DVI Card (F-32) |
| HDCP-IN4-F32 | 4-Input DVI (HDCP) Card (F-32) |
| DL-IN2-F32 | 2-Input DVI Dual Link Card (F-32) |
| F610-IN4-F32 | 4-Input DVI over 4LC Fiber Card (F-32) |
| H-IN4-F32 | 4-Input HDMI Card (F-32) |
| DGKat-IN4-F32 | 4-Input HDMI & RS-232 over DGKat Card (F-32) |
| F670-IN4-F32 | 4-Input HDMI over OM3 Card (F-32) |
| **Output Modules** | |
| DVI-OUT4-F32 | 4-Output DVI Card (F-32) |
| HDCP-OUT4-F32 | 4-Output DVI (HDCP) Card (F-32) |
| DL-OUT2-F32 | 2-Output DVI Dual Link Card (F-32) |
| F610-OUT4-F32 | 4-Output DVI over 4LC Fiber Card (F-32) |
| H-OUT4-F32 | 4-Output HDMI Card (F-32) |
| DGKat-OUT4-F32 | 4-Output HDMI & RS-232 Input over DGKat Card (F-32) |
| F670-OUT4-F32 | 4-Output HDMI over OM3 Fiber Card (F-32) |
| **Module Plate** | |
| BLP-F32 | Blank Cover Plate for Empty Module Slots |

VS-3232DN