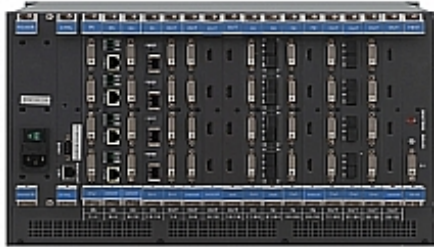
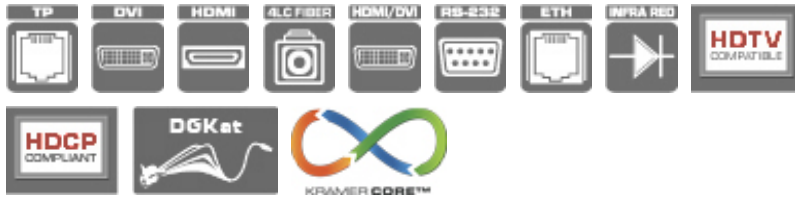




KRAMER

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.

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** - 10.2Gbps (3.4Gbps per graphic channel) when using compatible cards.
- **HDTV Compatible.**
- **HDCP Compliant** - With DVI (HDCP), HDMI, F670, HDBaseT, DGKat modules.
- **HDMI Support** - HDMI Compressed Audio Channels.
- **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.
- **Optional Fast Switching Support** - For fraction of a second switching.
- **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, HDMI, HDCP, Dual Link DVI, HDMI over Fiber, DVI over Fiber, DGKat (HDMI over twisted pair).
- **EDID Capture** - Copies and stores the EDID from a display device.
- **Protocol 3000 Support.**
- **Flexible Configuration** - To disable HDCP support and convert between HDMI and DVI.
- **Flexible Control Options** - Front panel, IR remote (included), 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 as needed.
- **Test Pattern Module** - With 4 output resolutions for troubleshooting video problems.
- **Built-in Monitor Port.**
- **Optional Redundant Power Supply** - PS-1DN, hot-swappable.
- **Worldwide Power Supply** - 100-240V AC.
- **Standard 19" Rack Mount Size** - 6U. Rack "ears" included.

TECHNICAL SPECIFICATIONS

INPUTS:	4 to 32 (in increments of 4) of the following inputs: DVI or HDCP, 1.2Vpp on DVI Molex 24-pin (F) connectors; DDC signal 5Vpp (TTL); HDMI; fiber optic on LC connectors; DGKat on RJ-45 connectors; 2 to 16 (in increments of 2) DVI dual link, 1.2Vpp on DVI Molex 24-pin (F) connectors.
OUTPUTS:	4 to 32 (in increments of 4) of the following outputs: DVI or HDCP, 1.2Vpp on DVI Molex 24-pin (F) connectors; DDC signal 5Vpp (TTL); HDMI; fiber optic on LC connectors; DGKat on RJ-45 connectors; 2 to 16 (in increments of 2) DVI dual link, 1.2Vpp on DVI Molex 24-pin (F) connectors.
MAX. DATA RATE:	9.6Gbps (3.2Gbps per graphic channel) depending on the cards used.
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.
INCLUDED ACCESSORIES:	Power cord, null-modem adapter, infrared remote control transmitter.
OPTIONS:	PS-1DN redundant power supply.

CONFIGURATIONS

Model	Description
Input Modules	
DGKat-IN4-F32	4-Input HDMI & RS-232 over DGKat Card (F-32)
DL-IN2-F32	2-Input DVI Dual Link Card (F-32)
DVI-IN4-F32	4-Input DVI Card (F-32)
F610-IN4-F32	4-Input DVI over 4LC Fiber Card (F-32)
F670-IN4-F32	4-Input HDMI over OM3 Card (F-32)
H-IN4-F32	4-Input HDMI Card (F-32)
HAA-IN4-F32	4-Input HDMI with Analog Audio Card (F-32)
HDBT-IN4-F32	4-Input HDMI over HDBaseT Card (F-32). Range up to 130m (430ft) at 2K
HDCP-IN4-F32	4-Input DVI (HDCP) Card (F-32)
VGAA-IN4-F32	4-Input VGA with Analog Audio Card (F-32)
Output Modules	
DGKat-OUT4-F32	4-Output HDMI & RS-232 Input over DGKat Card (F-32)
DL-OUT2-F32	2-Output DVI Dual Link Card (F-32)
DVI-OUT4-F32	4-Output DVI Card (F-32)
F610-OUT4-F32	4-Output DVI over 4LC Fiber Card (F-32)
F670-OUT4-F32	4-Output HDMI over OM3 Fiber Card (F-32)
H-OUT4-F32	4-Output HDMI Card (F-32)
HAA-OUT4-F32	4-Output HDMI with Analog Audio Card (F-32)
HDBT-OUT4-F32	4-Output HDMI over HDBaseT Card (F-32). Range up to 130m (430ft) at 2K
HDCP-OUT4-F32	4-Output DVI (HDCP) Card (F-32)
VGAA-OUT4-F32	4-Output VGA with Analog Audio Card (F-32)
Module Plate	
BLP-F32	Blank Cover Plate for Empty Module Slots

