



## VS-1616DN

2x2 to 16x16 Modular 4K60 4:2:0 Multi-Format Digital Matrix Switcher



VS-1616DN is a high-performance 2x2 to 16x16 4K@60Hz (4:2:0) modular matrix switcher chassis for AV signals. The unit is a multi-format digital switcher, populated from 2x2 to 16x16 in increments of two inputs and/or two outputs. The chassis includes optional dual, redundant power supplies, a control module and a test module that can monitor and test any input and output in the matrix. VS-1616DN supports a wide variety of input and output cards for different AV signals.

### 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 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, HDMI with audio and DGKat modules.
- **HDMI Support.**
- **Cables** - For optimum range and performance, use the recommended Kramer cables.
- **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 2 from 2x2 up to 16x16.
- **Protocol 3000 Support.**
- **Flexible Configuration** - To disable HDCP support and convert between HDMI and DVI.
- **Default EDID** - For each input.
- **EDID Capture** - Copies and stores the EDID from a display device.
- **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 and additional monitor port with audio embedding and de-embedding.
- **Front Panel Lockout.**
- **Second Power Supply** - Redundant, hot-swappable (optional).
- **Modular Cooling System** - 2 easily replaceable, low-noise, hot-swappable fan racks.

- Flexible Control Options - Front panel, IR remote, RS-232, Ethernet, K-Router Plus™ software application.
- Worldwide Power Supply - 100–240V AC.

## TECHNICAL SPECIFICATIONS

INPUTS:	2 to 16 (in increments of 2) of various inputs see ACCESSORIES & RELATED PRODUCTS
OUTPUTS:	2 to 16 (in increments of 2) of various outputs see ACCESSORIES & RELATED PRODUCTS
MAX. DATA RATE:	10.2Gbps (3.4Gbps per graphic channel) depending on the cards used.
MAX RESOLUTION:	Up to 4K@60Hz (4:2:0).
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, 135VA.
MAX. NOISE	43DB
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
INCLUDED ACCESSORIES:	Power cord, infrared remote control transmitter.
PRODUCT DIMENSIONS:	19" x 5.12 x 4U (43.6cm x 13.00cm 2.00cm) W, D, H
PRODUCT WEIGHT:	0.2kg (0.5lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H
SHIPPING WEIGHT:	0.4kg (0.8lbs) approx.

