VS-34FD
8K−Ready 34−Port Multi−Format Digital
Matrix Switcher with Interchangeable I/Os

VS−34FD is a high performance, 34−port, 8K−ready, multi−format, modular matrix switcher for AV signals, including HDMI™, HDBaseT, VGA, SDI, as well as analog and digital audio. The modular chassis features 17 slots for installing a full range of input/output modules and can be populated as 2x32, 32x2 or any other configuration in between in increments of two inputs or two outputs. The chassis includes a control module and an additional redundant power supply for optional installation

FEATURES

High−Performance Modular Matrix Switcher - Professional, 8K−ready matrix for switching multi−format AV signals. Features Kramer Equalization & re−Klocking™ Technology that rebuilds the digital signal to travel longer distances. For optimum range and performance, use recommended Kramer cables

Modular & Easily Configurable Platform - Input and output module types can be mixed and added in increments of 2, creating a matrix of 2 x 32, 32 x 2 or any configuration in between. Select from a full array of popular and legacy formats to populate the chassis. This matrix is compatible with some existing modular matrix modules

Flexible Infrastructure Conversion - Kramer Core™ technology enables copper or twisted pair to 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

Build-in Independent Analog Audio Matrix - Allow audio independent routing through the VS−34FD

Integrated Ethernet Switch - Enables a single Ethernet cable connection to allow network distribution to all HDBaseT far end extender devices

Quick and Efficient Management - Compatible with Kramer Network enterprise management platform providing: Automatic discovery through the network, FW upgrade management for matrix and cards, identification of card type and location and indication of card status (module ID, actual firmware versions), matrix switching, specific card features configuration (for example, volume levels on audio cards), store and recall of predefined switching scenarios, and more

Content Protection Support - HDCP 2.2 compliant, with compatible DVI, HDMI, and HDBaseT modules. Supports disabling HDCP when needed

Fast Switching Support on Outputs Configuration - Reduces or removes switching delay

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

Second Power Supply - Redundant, hot−swappable (purchased separately)

Flexible Control Options - Local control from the front panel, including: switching, executing multiple switches simultaneously, storage and recall of multiple switching configurations, front panel lockout. Distance control with user−friendly web GUI via Ethernet and Protocol 3000 API via Ethernet or RS−232

Modular Cooling System - 2 easily replaceable, low−noise, hot−swappable fan racks

Cost−Effective Maintenance - Power and error LED and LCD display facilitate easy local maintenance and troubleshooting. Local FW upgrade via mini USB port, in/out audio jacks for unit testing, and reset button for convenient unit reset (for future use) ensure lasting, field−proven deployment

Easy Installation - 19" enclosure for rack mounting in a 4U rack space with included rack ears and universal 100−240V AC power supply

TECHNICAL SPECIFICATIONS

I/O	2 to 34 (in increments of 2) of various input or output formats: According to installed module cards (see ACCESSORIES & RELATED PRODUCTS tab)
Video	Max. Data rate: 50Gbps (12.5Gbps per graphic channel) depending on the cards used
	Max Resolution: 8K–Ready, depending on the cards used
User Interface	Controls: Front panel buttons, RS–232, Ethernet, mini USB port, in/out audio testing jacks, and reset button (for future use)
	Indicators: Power and error LEDs, inputs/outputs switching LCD display
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%, RHL non–condensing
Power	Source: 100–240V AC, 50/60Hz
	Consumption: 1.5A
Accessories	Included: Power cord
Product Dimensions	43.72cm x 36.00cm x 17.70cm (17.21" x 14.17" x 6.97") W, D, H
Product Weight	8.9kg (19.6lbs) approx
Shipping Dimensions	0.00cm x 0.00cm x 0.00cm (0.00" x 0.00" x 0.00") W, D, H
Shipping Weight	10.2kg (22.5lbs) approx