



# KRAMER

## VS-411XS

4x1 4K HDR HDMI Intelligent Auto Switcher

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:4:4)



VS-411XS is an intelligent 4x1 automatic switcher for 4K HDR, HDMI video signals. VS-411XS offers an intelligent switching experience with built-in Maestro room control and the standard priority / last-connected switching function based on active video signal detection

## FEATURES

**Simple and Powerful Maestro Room Control** - Out-of-the-box configured room control for a typical meeting room setup, and intuitive user interface enables you to fully control your meeting room elements. Room devices are controlled right out-of-the-box by an extensive range of triggers, including input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room control saves meeting prep time and minimizes human error before presentations

**Easy Remote Device Control** - Control meeting and presentation devices connected to VS-411XS from the user-friendly Kramer Aware app on a compatible Kramer touch panel (sold separately). Kramer Aware includes a built-in, basic user-interface panel, pre-configured for Maestro-controlled typical meeting room setup

**Plug & Play Auto Switcher** - Automatically plays the switched source signal on the connected display according to user-configured preferences, such as priority or last-connected input. When the user manually switches, by pressing a button, the auto switching is overridden

**Simple Manual Switching Operation** - Local panel buttons, or remotely connected contact-closure buttons, and optional Maestro Kramer Aware touch panel buttons, for flexible user input selection and switching control

**HDMI Signal Switching** - HDCP 2.2 compliant, Supporting deep color, x.v.Color™, CEC, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0

**I-EDIDPro™ Kramer Intelligent EDID Processing™** - Intelligent EDID handling, processing, locking and pass-through algorithm ensures plug & play operation for HDMI source and display systems

**Multi-channel Audio Switching** - Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound

**Audio De-embedding** - The digital audio signal passing-through to the HDMI output, is de-embedded, converted to an analog signal and sent to the stereo unbalanced analog audio output. This enables playing the audio on a locally connected professional audio system (such as DSP) and speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers)

**Automatic Display Operation** - Part of the out-of-the-box Maestro configured room automation. Meeting presentation is simplified by automatically turning ON/OFF a CEC-enabled display when the presentation source is plugged in / unplugged with user-defined shut-down delay

**Comprehensive Unit Control and Configuration Options** - Local control via DIP-switches, volume and mute buttons, and volume and mute contact closure switches. Distance control via user-friendly embedded web pages via the Ethernet, Protocol 3000 API commands via RS-232 serial communication transmitted by a PC, touch screen system or other serial controller

**Cost-effective Maintenance** - Status LED indicators for HDMI ports facilitate easy local maintenance and troubleshooting. Remote IP-driven device management, and optional whole site management system, via built in web pages and RS-232 connection. Local and remote firmware upgrade via RS-232 or Ethernet connection tool ensure lasting, field proven deployment

**Easy Installation** - Compact DemiTOOLS® fan-less enclosure for user-reachable table mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter



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## TECHNICAL SPECIFICATIONS

Inputs	4 HDMI: On a female HDMI connector
Outputs	1 HDMI: On a female HDMI connector
	1 Balanced Stereo Audio: On 5-pin terminal block connector
Ports	RS-232: On a 3-pin terminal block connector
	Remote Contact Closure: On an 8-pin terminal block connector
	Ethernet: On an RJ-45 connector
Video	Max Data Rate: 17.82GBPS (5.94Gbps per graphic channel)
	Max Resolution: 4K@60 (4:4:4)
	Compliance: HDR10 as specified in HDMI 2.0, HDCP 2.2
Power	Source: 5V DC, 2A
User Interface	Controls: Inputs selection, volume, and mute buttons, DIP-switches for configuring switching policy and audio de-embedding source, embedded web pages via IP
Enclosure	Size: DemiTOOLS®
	Type: Aluminum
	Cooling: Convection ventilation
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
Regulatory Compliance (Standards Compliance)	Health, Safety, Environmental: RoHs, WEEE, CE

