

V-Switch quad XP



Real Time Multiviewer & Quad KVM Switch

V-Switch quad XP simultaneously displays four analog or digital computers and video sources on a single screen. Each input video can be resized and repositioned anywhere on the display. Powerful real time signal processing results in excellent quality of picture content.

Four computer sources can be controlled with just one keyboard and mouse or by touch screen. The integrated high-speed USB 2.0 matrix allows switching of USB devices like printers, memory sticks or fingerprint readers to all ports. HDMI-Audio with 7.1 surround sound provides outstanding listening experience. The implementation of HDCP extends the range of connectable devices.

Fluid video performance, DVI & VGA, HDMI, HDCP

V-Switch quad XP can process analog and digital video signals via DVI-I ports (HDMI by adapter) as both input and output. Various video modes up to 1920 x 1200, including HDTV resolutions with HDCP encryption, are supported in any combination as input and output. Each video source can be freely resized and repositioned anywhere on the display. V-Switch quad XP features fluid video performance in real time without frame dropping, allowing for perfect display of movies and animated content. When scaling videos up and down, the highly sophisticated 6-symbol interpolation filter guarantees brilliant image quality and sharp readability of text. The 30 bit RGB video engine ensures extremely precise rendering of colors as required in broadcasting.

Display modes: Quad, PiP, Full, Win

Win mode, all video sources can freely be resized and independently repositioned anywhere on the display, just like windows. They can overlap each other with transparent appearance. Resizing and repositioning is done by mouse or touch screen. Four customized Win modes can be saved as presets for quick activation by front buttons or hotkeys.

In **Quad mode**, the screen is divided into four equally-sized areas. Each field displays the entire screen content of a video source or computer.

When the **PiP** (Picture in Picture) function is activated, up to all three other video sources are displayed on the right-hand side of the full-screen image as thumbnails, allowing them to be monitored simultaneously. Size, position and selection of these thumbnails can be adjusted.

In **Full mode**, a switchable single source is displayed.

For vertically mounted displays, it is possible to rotate output image by 90°.

Transparent USB 2.0 matrix

V-Switch quad XP features a transparent, high-speed USB 2.0 matrix to switch USB devices onto connected computers. The switching can be performed together with active channel, or manually with and without warning. For example, data can be copied from one computer to the other without being networked – just via connected memory stick.



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Quad mode



PiP mode



Win mode

PS/2 & USB, Audio

Computers with PS/2 or USB keyboard and mouse can be connected to V-Switch quad XP. 7.1 surround sound is supported via HDMI/DVI input. Audio stereo signal is output digitally via S/PDIF or TOSLINK or analog stereo jack to provide connection to audio amplifier.

Operation

There are different ways of switching video channels and display modes: front panel buttons, configurable keyboard shortcuts (hotkeys), mouse, external device configuration program, serial control devices, and various models of USB touch screens. Cross channel switching is enabled by simple mouse movements.

Serial control, remote access, touch screen compatibility

V-Switch quad XP supports external serial control via DCP-XML protocol. Combined with KVM-over-IP extenders, V-Switch quad XP enables location-independent remote control of the attached computers. V-Switch quad XP is compatible with many USB single-touch screen models as well as multi-touch monitors, according to „Microsoft digitizer touch interface“ specification. Touch screens will provide an intuitive and comfortable operation of V-Switch quad XP.

Additional features

The application range of our V-Switch quad XP is extended by features like presentation mode, e.g. for fairs, or switching on active audio, demanded in security applications.

Ordering information

HE-VSW-QUAD XP	V-Switch quad XP desktop + 19" rack mount kit
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Scope of supply

1 x V-Switch quad XP, CD ROM with tools + manual
 2 x HW-CPU-DVI-D / 2 x HW-CPU-VGA cable set, 2 m **
 1 x console adapter DVI/analog + 1 x converter USB/PS2
 Update cable + 19" rack mount kit and power cord
 ** optional 4 x HW-DVI-DVI-D-SET, 2 m
 ** optional 4 x HW-DVI-HDMI-SET, 2 m

Technical data

Casing:	Stainless steel, powder coated, dimensions: 436 x 234 x 44 mm (W x D x H), color: black (RAL 9005)
Computer ports:	4 x DVI-I (analog & digital), 4 x PS/2, 4 x USB
Console ports:	1 x DVI-I, 2 x USB-HID for keyboard and mouse or touch screen
USB 2.0 ports:	4 x USB for transparent USB 2.0 devices (USB 1.1 compatible)
Audio ports:	Input: HDMI/DVI-I ports Output: 1 x S/PDIF electrical, 1 x TOSLINK optical, 1 x analog stereo jack, or via HDMI/DVI-I console port (7.1 surround sound supported)
Serial ports:	1 x USB, 1 x RJ/45 (RS232) (for updates or remote control)
Input and output resolution:	Up to 1920 x 1200 @ 60 (DVI & VGA), HDTV-modes up to 1920 x 1080p @ 60 Hz
Color depth:	30-bit color resolution (DVI & VGA)
Touch screen compatibility:	Various USB touch screen models supported: details available upon request
EDID adjustment:	EDID at each input port customizable
Supported keyboard layouts:	German, English, Spanish, French, Italian, Japanese
Power supply:	Internal AC adapter, 100-240V, 50/60 Hz
Power consumption:	Max. 25 watts (0 watt in OFF state)
Operating temperature:	5° to 45° C
Storage temperature:	-10° to 60° C
Relative humidity:	5 to 85% non-condensing
Weight:	2,9 kg
Certificates:	CE, FCC, RoHS

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