



Features and Benefits

- Supports DVI/HDMI/VGA video modes;
 - HDTV modes up to 1920×1080p
 - USB-HID and PS2 keyboards and mice
 - Serial port control via DCP/XML protocol
- Audio input via HDMI source, and output via analog, digital or optical audio interface
- 30-bit RGB video for precise rendering of colors, with fluid video at full refresh rates
- HDCP compliant for video/animation viewing
- Quad-screen, Full-screen, PIP and Win modes
- High-Speed (4-port) USB2.0 switching matrix
- DVI/VGA cables supported to 20 meters
- Stores pre-set commands for Win mode
- Built-in video test-pattern for video quality
- Rotate video images up to 270°, crop images and adjust brightness/contrast.
- Use the Rose Keypad Controller to store and save up to 80 pre-set switching commands
- Cascade multiple QuadraVista-QF switches to generate a screen with 16 simultaneously independent video sources.
- Display computer name on each quadrant

- ▶ Simultaneous display of 4 Analog/Digital video sources on a single monitor – real time video
- ▶ Supports DVI/HDMI/VGA video at resolutions up to 1920×1200@60Hz
- ▶ Quad, Full, PiP and WIN display modes
- ▶ HDMI 7.1 surround-sound audio
- ▶ Mouse, Keyboard, Touchscreen & Serial Control
- ▶ USB2.0 high-speed matrix for USB device sharing
- ▶ HDCP enabled for multimedia presentations

Product Overview

The QuadraVista-QF is a multifunction digital KVM switch and video controller that can process a mix of digital and analog video on input and output ports. This allows for perfect display of real time video and animated displays, simulation graphics and highly detailed CAD design.

Video input can be displayed in 4 different modes, Full-Screen, Quad Screen, PiP and Win Mode. Using the Win Mode, each video input can be re-sized, scaled and repositioned anywhere on the screen, and all attached PC/Video devices can be controlled by keyboard, mouse, touchscreen or serial port.

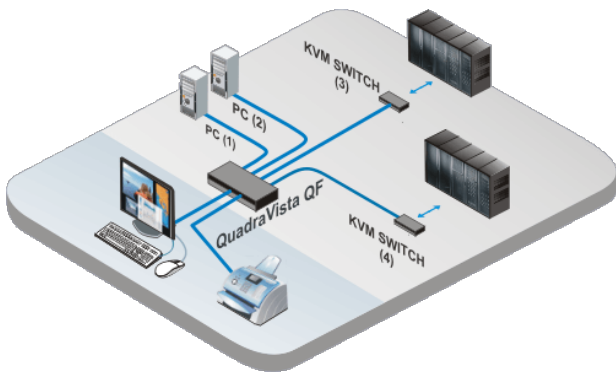
Multiple video modes up to 1920×1200@60Hz are supported, including HDTV and HDCP encryption.

EDID is customizable at each input port.

Applications

The QuadraVista-QF is designed for use in NOC and control-desk applications where multiple video sources need to be selected, switched and displayed on a large screen or video wall, with independent keyboard, mouse or touchscreen control over the video source devices. QuadraVista-QF is also used in broadcast environments, transport control centers, weather stations and in training or board rooms.

Typical Application



Installation and Operation QuadraVista-QF includes a powerful menu driven OSD for full control and operation. No software drivers or external controlling CPU's are required. Choose from 7 different levels of security settings for admin and operational control. There are 6 different ways for the user to operate the QuadraVista-QF

- OSD
- Configurable Hotkeys
- Serial DCP/XML
- Front Buttons
- HotMouse
- Touchscreen

USB Touchscreen The QuadraVista-QF can be controlled using a USB Touchscreen. The touchscreen function also controls host computer windows displayed in Win, PiP and quad-modes.

USB2.0 Matrix The QuadraVista-QF features a 4-port transparent (high-speed) USB2.0 matrix, allowing USB devices such as print readers, memory sticks, webcams and DVD Drives to be shared between the connected devices. Files can be copied between connected devices via the USB2.0 port.

HotMouse Control QuadraVista-QF's unique HotMouse uses a numbered arrow to allow quick and easy control of the QuadraVista-QF in all operational modes. The keyboard also functions when HotMouse is in use.

Keyboard and Mouse The QuadraVista-QF uses a USB keyboard and mouse on the user side and either a USB or PS/2 keyboard and mouse for each computer connection.

Specifications

Dimensions (W x D x H)	17.6" x 9.2" x 1.5" 436 x 234 x 44 mm
Weight	6.4 lb. (2.9 kg)
Power	100-240 VAC 50-60Hz 40W(max)
Video resolution	Input and output, DVI and VGA: Up to 1920x1200@50/60Hz including 1080p VGA video is WUXGA reduced blanking
EDID	Customizable at each input port
Connectors	Input ports (4): 4 x DVI-I 29 pin female connectors 4 x USB-B, 4 x PS2 Output ports: 1 x DVI-I 29 pin female connector 2 x USB-HID Other: 1 x RJ45 RS232 serial 4 x transparent USB 2.0 Type A ports
Audio	Input: via 4 x HDMI on DVI-I ports Output: Analog 3.5mm, Digital 1xS/PDIF, 1x digital cinch
Control method	USB keyboard, mouse, and USB touchscreen, On-screen display, front panel buttons and RS-232 serial control 1xUSB-B port for direct control via external USB device
LED's	Ports 1,2,3,4 Full, Quad, PiP, WIN
Cable distance	Video is 20 meters, USB is 5 meters
Environment	Operating temp: 41°F–113°F (5°C–45°C) Storage temp: 16°F–140°F (-10°C–60°C) Relative humidity: 5%–85%, non-condensing
Approvals	FCC Part 15 Class A, CE, RoHS

Part numbers

QV-4KVMDVI-QF	QuadraVista-QF DVI/VGA/USB
CAB-DVIDMM006	DVID cable 6ft (2.0m)
CAB-DVIDMM010	DVID cable 10ft (3.0m)
CAB-DVIIMVM006	DVI-I to VGA cable 6ft (2.0m)
CAB-DVIIMVM010	DVI-I to VGA cable 10ft (3.0m)
CAB-USBAB006	USB-AB cable 6ft (2.0m)
CAB-USBAB010	USB-AB cable 10ft (3.0m)



QuadraVista 2 rear view

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