# QuadraVista-QF

## Multiviewer - 4 DVI/HDMI/VGA Inputs



➤ 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 x 1200 @ 60Hz
➤ Quad, Full, PiP and WIN display modes
➤ HDMI 7.1 surround-sound audio
➤ Mouse, Keyboard, Touchscreen & Serial Control
➤ Four USB2.0 high-speed ports for device sharing
➤ HDCP enabled for multimedia presentations

## QuadraVista-QF Features

- Supports DVI/HDMI/VGA video modes;
    - HDTV modes up to 1920*1080p
    - PS/2 and USB 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
- Four high speed USB2.0 ports
- DVI/VGA cables supported to 20 metres
- 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.
- User Rose Keypad Controller to store and save up to 20 pre-set switching commands
- Cascade multiple QuadraVista-QF switches to display a screen with 16 simultaneously independent video sources.
- Display computer name on each quadrant



## 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.
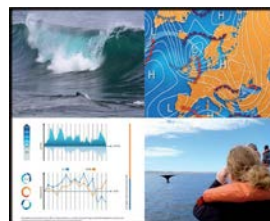
Video input can be displayed in 4 different modes, Full Screen, Quad Screen, PiP and Win Mode. Each video input can be re-sized, scaled and repositioned anywhere on the screen, and all attached PC/Video devices can be controlled by Keyboard, Mouse, Touchscreen or Serial Port.

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 Training or Board Rooms.



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## Typical Operating Modes



**PIP Mode**



**Touchscreen Mode**

**Touchscreen Control**   The *QuadraVista-QF* can be controlled using a USB Touchscreen.  Access and control each device using a touchscreen while displaying 4 or 16 video sources on a single monitor, The touchscreen function also operates on Windows displayed in Win, PiP and Quad-Modes.

**USB2.0 Matrix**   The *QuadraVista-QF* features a 4-port transparent (high-speed) USB2.0 hub, 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's* unique "HotMouse" uses a "numbered arrow" to allow quick and easy control of the *QuadraVista-QF* in all operational modes. The keyboard still functions when "HotMouse" is in use.

**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*

## Specifications

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|---|---|
| **Dimensions (W x D x H)** | 17.16 x 9.2 x 1.73 (in) 43.6 x 23.4 x 4.4 (cm) |
| **Weight** | 6.4 lbs / 2.9 kg |
| **Resolution** | DVI/VGA:  1920 x 1200 @60 Hz HDTV:  1080p (non-interlaced) |
| **Color Depth** | 30-bit ultra high color (DVI/VGA) |
| **Serial** | 1*USB, 1*RJ45(RS232) |
| **Audio** | Input: 4*HDMI on DVI-I ports Output: 1* 3.5mm, 1*S/PDIF 1* digital cinch |
| **Input Ports** | 4*DVI-I,  4*USB,  4*PS2 |
| **Console Ports** | 1*DVI-I,  2* USB (KB/Mouse/TS) |
| **USB2.0 Ports** | 4* USB2.0 high-speed (USB1.1) |
| **Touchscreen** | Various USB models supported |
| **EDID** | Customizable at each input port |
| **Keyboard Layout** | English, German, Spanish, French, Italian, Japanese |
| **Power** | Internal. 100-240 VAC , 50/60Hz |
| **Consumption** | Max 25 watts |
| **Max distance** | 20 metres DVI(HDMI)/VGA direct |
| **Indicator (LEDs)** | CPU's 1-4,  Full, Quad, PiP, Win |
| **Op Temp** | 5˚C – 45˚C / 41˚F – 113˚F |
| **Humidity** | 5% - 85% max, non-condensing |
| **Approvals** | CE, FCC, RoHS |

## Part Numbers

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|---|---|
| **QV-4KVMDVI-QF** | Multiviewer - DVI/VGA/USB |
| **CAB-DVIDMM006** | DVI-D Cable (6ft – 2m) |
| **CAB-USBAB006** | USB-AB Cable (6ft – 2m) |



QuadraVista-QF back-panel with enlarged view showing the user console ports

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