QuadraVista UHD 4K

► UHD 4K Multiviewer with KVM control

► Accepts 4×HDMI 1080p 50/60Hz video inputs

► UHD 4K30Hz quad-screen output with windows freely adjustable in size and location

► Multiple units can be cascaded for multiple concurrent HDMI images on one UHD monitor

► Option modules for KVM over IP and video wall

► Dual monitor operation enables a 5th computer display on a second monitor with common USB keyboard and mouse control

Features and Benefits

■ A multi-featured KVM switch with display of four concurrent HDMI 1.4 sources up to 4K30Hz on one UHD monitor

■ Dynamic sizing and positioning of each image on freely adjustable windows with full-screen capability at 4K30Hz

■ Assemble multiview display solutions on multiple UHD monitors using one set of keyboard and mouse with multiple units cascaded via HDMI, USB, and audio connections

■ On-screen display of the video source label, video window border and intuitive GUI control

■ HDCP compliant

■ USB-HID touchscreen support

■ Supports multiple user collaboration and user messaging on a networked environment

■ Optional KM module allows full keyboard, mouse, and audio mixing control over the attached video source equipment

■ Optional Video-over-IP module for transmission of visually lossless display of multiple Video-over-IP together with direct HDMI connections

■ UHD video wall processing using an optional UHD-2HD converter module allows multiple images to be displayed across a 2×2 display array
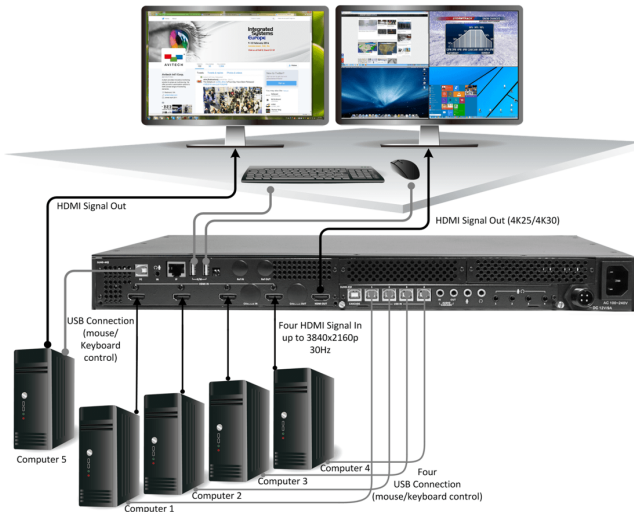
Product Overview

The QuadraVista UHD 4K is an all-in-one innovative solution for addressing video, audio, and computing needs in a multi-monitor and multiviewing environment. Featuring the integration of multiview displays, KVM, video-over-IP and video wall configuration, the QuadraVista UHD 4K is loaded with features in a compact 1U rackmountable chassis.

The standard product operates as an HDMI quad-screen switch with USB keyboard and mouse, analog stereo audio and support for a 5th computer. The expansion chassis enables a range of optional card modules to be added to address a broad range of video, USB, and audio applications. Multiple chassis can be cascaded to integrate additional video sources, or to display more than four video sources on one UHD monitor.

The optional KM card provides full KVM functionality to the connected video sources, including audio mixing for HDMI embedded audio and analog sources. The KVM over IP, and UHD2HD converter cards provide solutions for a variety of applications in multi-display KVM operation, KVM-over-IP, video wall display, and multiview UHD presentations.

The QuadraVista UHD 4K can be cascaded to display more than four input signals on a single monitor. The USB and audio features can also be cascaded, making it possible to operate 8, 12, or more input devices on multiple monitors using one keyboard and mouse.

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Typical Application

QuadraVista KVM UHD with dual-head workstation

Installation   Installing QuadraVista UHD consists of connecting up to 4 HDMI sources to the quad display video inputs, along with their associated USB inputs if the KM module card is installed. Attach an HDMI display and a USB keyboard and mouse to the console connectors.

Models and Optional Modular Cards   The standard QuadraVista UHD 4K comes in a 1U rack mountable chassis with an internal IEC power supply.

There are three optional cards available. The KM card has 4xUSB-B ports, 4x analog audio ports and microphone/speaker ports for audio mixing. The KVM-over-IP card transmits HDMI and USB via LAN over gigabyte switches. The chassis holds 2×KVM-IP cards for transmission of 4 computer sources, available with either CATx or fiber optic interface. The UHD video wall processor card converts the UHD to HD video wall format and provides 4x HDMI video wall outputs.

Cables and Control   HDMI, USB-AB and 3.5mm stereo audio cables are used to connect HDMI equipment to the QuadraVista UHD 4K. Connect an Ethernet cable to the RJ45 control port to operate the extensive OSD configuration and control parameters.

Specifications

Dimensions (W x D x H)	17.28" × 15.51" × 1.75" 439 × 394 ×44cm	
Weight	10.36 lbs (4.7Kg)	
Power	100-240 VAC, 50-60Hz, +12VDC 9A, 54W	
Video resolutions	Up to 4K (UHD) at 25/30Hz or 1080p	
Pixel clock	Up to 297MHz, user definable	
HDCP	HDCP compliant	
Host devices	Maximum 5 connections on one switch	
Port switching	Keyboard or mouse combination hotkeys or OSD pop-up-menu	
Indicator LED's	1 ×LED (green) when power on	
	Input	Output
Connectors (Main card)	4 × HDMI 1.4 HDCP	1 × HDMI 1.4 HDCP
	1 × RJ45 ethernet	
	2 × USB-A - HID	
	1 × USB-B - USB2.0	
	1 × 3.5mm, analog stereo and mic	
Connectors (KM card)	4 × USB-B - USB2.0	
	1 × USB-B - cascade	
	6 × 3.5mm, stereo audio microphone, audio cascade	2 × 3.5mm, stereo audio, headphone, audio cascade
Connectors (IP)	2 × RJ45 ethernet	2 × HDMI 1.4 HDCP
Operating system compatibility	Windows: W98SE, W2000, Server 2003, Windows 7, 8, 10 MAC: OS 10.5 or later Linux: Fedora 10, Ubuntu 8.1, Scientific 5.2, RedHat, Mint 6.0, Debian 5.0, SUSE 11.1, Linux 2009, Mandriva 2009, CentOS	
Environment	Operating temp: 32°F – 104°F (0°C – 40°C) Storage temp: 14°F – 122°F (-10°C – 50°C) Rel. humidity: 0% to 80% non-condensing	
Approvals	FCC, CE, C-Tick	

Part numbers

QV-4UHD	QuadraVista UHD-KVM, HDMI 4in, 1 out, 4K30Hz, HDCP, RJ45, USB-HID, USB2.0
QV-4UHD/EX	As above, cascadable chassis
QVC-4KM-U	5 port USB-KM card with audio ports
QVC-IPC	IP card with CATx cabling, 2 x RJ45 over IP or LAN. Use with Rose IP-TX units
QVC-IPF	IP card with SFP fiber modules cabling, 2 SFP fiber. Use with Rose IP-TX units
QVC-UHD2HD	UHD to HD converter card for video wall Video wall larger than 2x2 requires the /EX unit and IP card