

# Vista HDMI 4K

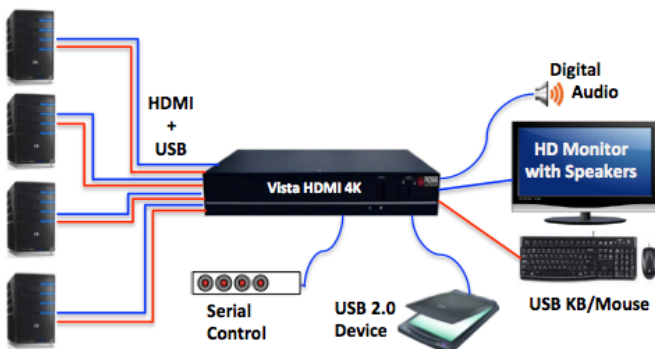
4K Ultra-HD KVM Switch - HDMI/USB2.0



- Consolidate access and control of 4 Ultra-HD computers using a single HDMI monitor and USB keyboard/mouse.
- Supports 4K Ultra-HD video resolutions up to 3840x2160@30Hz
- Supports USB2.0 devices, as well as USB keyboard and mouse.
- Access and control the switch via USB keyboard and mouse hotkeys, RS232 serial port or optional TCP/IP.

## Vista HDMI 4K - Product Features

- Supports 1080p, 1080p 3D and 4K Ultra-HD, 36-bit color (3840 x 2160) @30Hz
- HDMI 1.4 (with audio) and HDCP compliant.
- Fully supported with Mac, PC, Linux, Sun Mac OS, Sun OS and Unix
- Supports USB2.0 devices, and USB-HID keyboard/mouse
- HDMI audio support, LPCM7.1, Dolby True HD, Dolby Digital Plus and DTS-HD Master Audio
- Access and control the switch via front panel (2 x 20) LCD and push buttons, keyboard hot-keys, RS-232 serial or optional TCP/IP (using TCP/IP over serial)
- Serial control interface via the DB9 serial port using the Rose RCS-4RS/D9 4-port remote control switch
- EDID learning and programming for all ports
- Zero pixel loss with TMDS signal correction
- Independent switching and operation of the KVM station and USB2.0 ports
- Complete keyboard/mouse emulation for error free booting of connected PC's/servers
- Made in USA



Sample Vista HDMI 4K configuration

## Vista HDMI 4K - Product Introduction

The **Rose Vista HDMI 4K** is a 4-port HDMI KVM Switch with 4K Ultra-HD video support and USB2.0 sharing.

This dedicated multiplatform KVM switch is capable of managing four computers through a single HDMI high-resolution monitor with USB keyboard and mouse control. Management of the switch can be controlled through the front panel (2 x 20) LCD display with push-buttons, via keyboard hotkeys or RS-232 serial port commands. Considerable cost savings can be realized by consolidating the user control into a single monitor, keyboard and mouse workstation, with host USB2.0 support and HDCP compliance.

- **Source Switching Made Easy** ...connect a single HDMI and USB cable from each Ultra-HD computer to the **Vista HDMI 4K**, then connect your HDMI workstation and USB2.0 devices to the switch. It's that easy. No complicated configuration, and no software required.
- **Flexible Control** .... The easiest method of switching between host computers is to use keyboard "hot-keys". Alternatively, the switch can be controlled using the front panel LCD and buttons, or accessed via RS-232 serial port protocol, or via optional TCP-IP control. If your user workstation needs to be located up to 330ft (100 meters) from the switch, use our low-cost HDMI/USB extender to separate the host computers from the user environment.
- **Flexible Sharing** .... The USB2.0 ports operate simultaneously and independently from the USB keyboard and mouse ports. So you can connect your USB2.0 devices to one or more computers, while simultaneously operating a different computer via the USB keyboard and mouse.
- **Full USB Keyboard/Mouse Emulation** .... The **Vista HDMI 4K** continuously simulates the connection of a USB keyboard and mouse to each connected computer, so that keyboard and mouse control is uninterrupted when switching between different computers.

## Applications

The increasing use of Ultra-HD PC's and servers requires a KVM switching solution that maintains the high quality video resolution, and ensures there is no USB keyboard/mouse delay when switching between connected servers.

The **Vista HDMI 4K** can be used for high quality HD video solutions in medical imaging, industrial production, broadcasting and editing suites and defense modeling applications.

PC's and video servers are increasingly equipped with 4K Ultra-HD video cards that have four times the resolution of standard 1080p video.

The **Vista HDMI 4K** will support ultra-high video resolutions including 3D video with embedded HDMI digital audio signals.



Vista HDMI 4K – Front Panel

Vista HDMI 4K – Rear Panel

- Medical Imaging
- Broadcast Studios
- Dealing Rooms
- Airport Control Systems
- Industrial Systems
- Control Rooms
- A/V Presentations
- Modeling and simulation
- Resort Displays
- Police and Defense

## EDID Learning and Programming

The **Vista HDMI 4K** features plug-and-play EDID, making the switch easy to implement in virtually any application. As soon as a user plugs in a monitor, the switch automatically learns and copies the EDID to all ports. The plug-and-play EDID helps make switching hassle free and simple.

## Specifications

<b>Chassis Dimensions W x D x H</b>	12.5 x 6.34 x 1.71" 31.7 x 16 x 4.3 cm	
<b>Weight</b>	3.5lb (1.6Kg)	
<b>Interface</b>	<b>Input</b>	<b>Output</b>
<b>Video Interface</b>	4 HDMI (female) 1.4	1 HDMI (female) 1.4
<b>USB Interface</b>	4 USB-B Type	2 USB-A (KB/mouse) 2 USB-A USB2.0
<b>Serial Port</b>	RS-232 (DB9F)	
<b>Video Resolution</b>	1080p @60Hz and 1080p 3D at 60Hz, 4K, 3840 x 2160 @30Hz.	
<b>Input Equalization</b>	Automatic	
<b>Pixel Clock Speed</b>	300MHz	
<b>Bandwidth Freq.</b>	10.2Gbps	
<b>USB - HID</b>	2 USB-A Type (HID)	
<b>- USB2.0</b>	2-port internal hub, USB-A Type	
<b>USB Input</b>	4 USB-B Type	
<b>Video Input/Output cable length</b>	Up to 20ft (6.0m) each side	
<b>Front Panel</b>	2 x 20 character LCD screen with UP/DOWN push buttons	
<b>Serial (DB9F)</b>	9,600bps	
<b>Supported Devices</b>	PC's, Mac, Sun	
<b>Supported OS</b>	Windows, Linux, Mac OS, Sun OS, Unix	
<b>Digital Audio -HDMI</b>	LPCM 7.1, Dolby True HD, Dolby Digital Plus, DTS-HD Master Audio Digital Audio (S/PDIF) output on rear panel	
<b>Ethernet Support</b>	Optional via Serial/TCP-IP link	
<b>Power</b>	100-240VAC, 5V/4A, 20W	
<b>Operating Temp</b>	23°F to 95°F (-5 °C to 35 °C)	
<b>Storage Temp</b>	-4°F to 185°F (20 °C to 85 °C)	
<b>Rel. Humidity</b>	5-90% non-condensing	
<b>Product Approvals</b>	UL, CE, RoHS	

## Part Numbers (contact Rose for full part number listing)

<b>KVM-4THD/4K</b>	Vista HDMI 4K, 4 Port KVM Switch, HDMI+USB2.0, 2K/4K
<b>CAB-HDMIMM006</b>	HDMI M/M 6ft (2.0m) cable
<b>CAB-HDMIMM010</b>	HDMI M/M 10ft (3.0m) cable
<b>CAB-USBAB006</b>	USB-AB 6ft (2.0m) cable
<b>CAB-USBAB010</b>	USB-AB 10ft (3.0m) cable
<b>RCS-4RS/D9/SW</b>	Accessory: 4-port push button DB9 Serial Control Switch
<b>RM-FR19</b>	19" Rackmount Shelf



株式会社 サイバネテック  
 〒103-0014 東京都中央区日本橋蛸殻町1-16-11  
 TEL : 03-3668-8089 FAX : 03-3668-9872  
<http://www.cybernetech.co.jp>