

CrystalView Plus™



CAT5/CAT6 KVM extender

Extend your KVM station up to 1,000' from your computer using standard CATx cable
Available with single, dual, or quad video
Video resolutions up to 1600 x 1200
Supports PC, serial and audio
Configuration and video tuning is made easy by using simple keyboard commands
Skew compensation to support CAT5, CAT5e, and Cat6 cable

Features and Benefits

- Single, dual, or quad video models available
- Video resolutions up to: 1600 x 1200 @ 60Hz (650')
1280 x 1024 @ 75Hz (1000')
- Integrated skew adjustments for compensating different CATx cable types
- Independent low and high frequency equalization adjustments
- All control and video adjustments are easily made with simple keyboard commands
- Audio options:
 - Full stereo audio can be transmitted either direction across the link (simultaneously)
 - Digital CD quality audio
 - Supports stereo speakers and microphone
- Serial option:
 - Supports serial baud rates up to 19.2 baud
 - Supports Transmit, Receive, and two hardware handshaking lines
- Full keyboard and mouse emulation
- Compatible with Rose Electronics KVM switches
- Compatible with Windows, Unix, Linux, and other operating systems
- All settings stored in flash memory
- Rack mount kits for 19", 23", 24" racks
- One year limited warranty

The CrystalView Plus™ Advantage . . .

The CrystalView Plus series of enhanced KVM extenders allow you to position your KVM station up to 1,000 feet (300 meters) away from your computer using a single CATx cable. If your computer supports dual or quad video, the CrystalView Plus dual or quad model can fully support it.

The CrystalView Plus has gone one step further and eliminated adjustment knobs and jumper switch settings. Integrated controls that adjust for skew, low and high frequency equalization, and RGB delay for each channel have been made easy by simple keyboard commands.

Each channel (single, dual, or quad) can be adjusted independently or global settings can be applied for all. These adjustments make for a crystal clear image using CAT5, CAT5e, or CAT6 cabling.

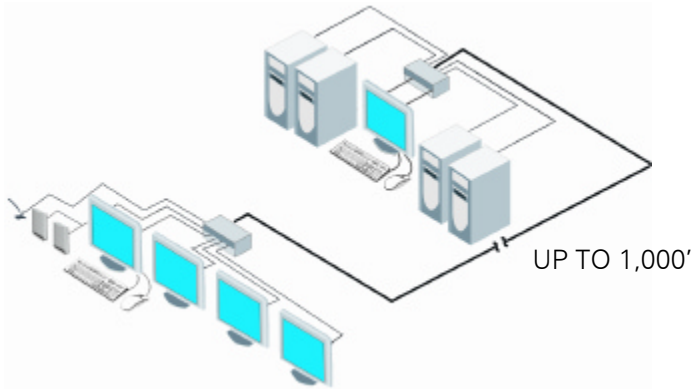
The stereo audio option produces low-noise CD quality sound. Speakers, headphones, or a powered or un-powered microphone can be connected to the remote unit. It's perfect for call centers, trader's desks, kiosks, TV stations, and other applications where multiple video sources are used and need to be extended from the computer.

The bi-directional serial option allows you to connect a Touchscreen, digital tablet, serial printer or other supported serial device to the remote location. No set-up is needed; just connect the serial device to the serial port and it's ready to use.



View single, dual, quad video 1,000 feet away

Typical Application



View 4 video sources

CrystalView Plus overview The CrystalView Plus series CAT-x KVM extenders are usually sold in pairs, a local unit and a remote unit. The local unit connects to your computer or KVM switch and the remote unit connects to a keyboard, monitor, and mouse. The Local and remote unit are connected together with standard CAT5, CAT5e, or CAT6 cable. To compensate for these different cable types, the CrystalView Plus has a built-in RGB compensator that can incrementally adjust the red, green, and blue color delay in 2.8ns increments. This and the skew compensation provide for a crystal clear image using any CATx type cable. All configuration and video tuning is performed using simple keyboard commands from the remote unit.

Installation Installing the CrystalView Plus is as simple as connecting the computer or KVM switch to the local unit, a KVM station to the remote unit and connecting the local and remote units together with CATx cable. Using standard CAT5 cable, no compensation, or very little is needed. If you're using other than CAT5 cable or several patch panels, some compensation may be needed. This is easily done using simple keyboard commands.

Extending to a Rose switch In addition to extending a KVM station from a computer, you can also connect the local unit to a KVM switch providing access up to 1,000 computers.

Local access features The single and dual video models offer an additional KVM station on the local unit providing both local and remote unit access.

Part Numbers

CRK-1P1V	Single video KVM extender
CRK-1P2V	Dual video KVM extender
CRK-2P1V	Single video, local/remote access
CRV-R1V	Single video remote KVM extender
CRV-R2V	Dual video remote KVM extender
CRV-R4V	Quad video remote KVM extender
/AUD suffix	Audio & Serial option

Specifications

Dimensions	Width	Depth	Height	Weight
CRK-1P1V/2P1V (in)	3.94	7.76	1.38	2.20 lbs
(cm)	100	197	35	1.0 kg
CRK-1P1V/2P1V (in)	3.94	7.76	1.73	2.87 lbs
With audio (cm)	100	197	44	1.3 kg
CRK-1P2V (in)	5.75	4.33	1.14	1.76 lbs
(cm)	146	110	29	0.8 kg
CRK-1P2V (in)	5.75	4.33	1.73	2.65 lbs
With audio (cm)	146	110	44	1.2 kg
CRV-R1V/R2V (in)	5.71	5.51	1.14	2.65 lbs
(cm)	145	140	29	1.2 kg
CRV-R1V/R2V (in)	5.71	5.51	1.73	2.87 lbs
With audio (cm)	145	140	44	1.3 kg
CRV-R4V (in)	5.71	10.8	1.14	3.75 lbs
W /wo audio (cm)	145	275	29	1.7 kg

Resolution	1600 x 1200 (60Hz) @ 650" 1280 x 1024 (75Hz) @ 1.000"
Skew	2.8ns steps / 42ns max/color
Connectors	Keyboard / Mouse – PS/2 – miniDin6 Video – HD15M/F Interconnect – RJ45 Serial – DB9M/F Audio – 3.5mm stereo jack
Power	Remote – 9.0VDC adapter Local – Supplied from CPUs
Approvals	FCC-A, CE



Remote units (Dual, Single, & Quad video)