

# CrystalView CAT5™

## The CrystalView™ CAT5 Advantage . . .

The CrystalView is the KVM extender of choice for businesses big and small that needs to extend a KVM stations away from a CPU.

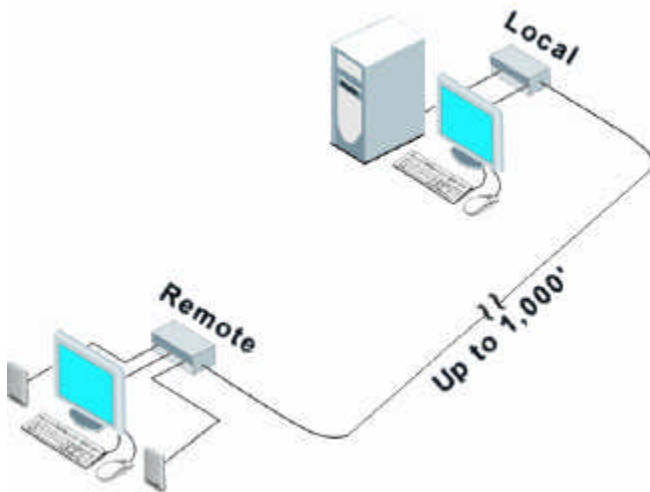
The CrystalView allows you to position a CPU up to 1,000 feet away from the KVM station using common twisted pair CAT5 cable. Video equalization and gain controls on the remote unit adjust brightness and clarity to compensate for image quality loss over long cable lengths.

Access to your computers is made convenient in a variety of situations. You can locate users away from hazardous industrial environments; locate CPUs away from areas vulnerable to theft of hardware and data; reduce noise and heat; increase desk and floor space.

The CrystalView CAT5 extender is available in following models:

- Mini (single or dual access with or without serial and audio)
- PC (single or dual access)
- PC (single or dual access with serial and audio)
- Sun (single or dual access)

The dual access versions provide for a second KVM station at the local unit giving access to the CPU from either the local or remote unit.



### Model (Mini)



PC Single (Part# CRK-M1P)



PC Dual (Part# CRK-M2P)



PC Single w/serial-audio (Part# CRK-M1P/AUD)

### Description (Mini)

The CrystalView system consists of two Units. The Local Unit connects to your CPU using a CPU adapter cable. The Remote Unit connects directly to the keyboard, video monitor and mouse cables of a KVM station. The Local and Remote Units are connected together with up to 150 feet of industry standard CAT5 cable.

The CrystalView Mini is available in four models, the PC single, PC dual, and the PC single and PC dual Serial/Audio model. The dual model provides an additional KVM station connection on the Local Unit allowing access to the CPU from both Units.

The CrystalView uses a microprocessor to emulate the keyboard and mouse for plug and play operation. The keyboard and mouse on the Remote Unit do not have to be connected for the PC to boot; only the Local Unit must be connected to the PC.

The serial/audio model allows stereo audio to be transmitted in either direction across the CAT5 link simultaneously. Many serial devices like a Touchscreen can plug directly into the serial port on the Remote Unit

The MINI model is small in size but loaded with state of the art technology. It is ideal for extending the distance between a CPU and a KVM station (up to 150 feet).



CrystalView Mini is small enough to fit in the palm of your hand

### Specifications (Mini)

<b>Chassis:</b>	(W) (D) (H)
Dimensions	Single 3.25" x 4.50" x 1.00" Dual 3.25" x 4.50" x 1.75" Audio 3.25" x 4.50" x 1.75"
Weight:	Single 0.55 lbs Dual 0.70 lbs Audio – Local – 0.70 lbs – Remote – 0.75lbs
<b>Video:</b>	Resolution 1280 x 1024 @ 150 feet Compatibility SVGA, VGA, XGA, RGB Levels 0.7V p-p Sync type Separate/composite TTL level
<b>Support:</b>	Keyboards – PC/AT, PS/2 Mouse – PS/2 two button Microsoft IntelliMouse Logitech three button
<b>Connectors:</b>	KVM station DB25F Video out HD15F Keyboard PS/2 – MiniDin-6F Mouse PS/2 – MiniDin-6F Serial Local – DB9F Remote – DB9M Audio 3.5mm stereo jack Interconnect CAT5 UTP/STP, EIA/TIA 568
<b>Power:</b>	Local – From PC Remote – 9V 1,000ma external Temp. 0°C–45°C Humidity 0%–80% non-condensing
<b>Environmental:</b>	
<b>Serial Data:</b>	Baud Rate up to 19,200 Data Flow Format independent Flow control RTS, CTS, DTR, DSR
<b>Audio Data:</b>	Signal level 5V p-p Impedance 47KO Connectors 3.5mm stereo jack Transmission 16 bit, 38.4KHz Digitized audio Microphone Powered or un-powered Speakers Powered

## Models (Standard)



PC Single (Part# CRK – 1P)



PC Dual (Part# CRK-2P)



PC Single w/serial-audio (Part# CRK – 1P/AUD)



PC Dual w/serial-audio (Part# CRK-2P/AUD)



Sun Single (Part# CRK-1P/SUN)



Sun Dual (Part# CRK-2P/SUN)

## Description (Standard)

The CrystalView is available in six models:

- PC single
- PC dual
- PC single Serial/Audio
- PC dual Serial/Audio
- SUN single
- SUN dual.

The dual version provides an additional KVM station connection on the Local Unit allowing access to the CPU from both Units.

The serial/audio model allows stereo audio to be transmitted in either direction across the CAT5 link simultaneously. Many serial devices like a Touchscreen and serial printer can plug directly into the serial port on the Remote Unit

The CrystalView system consists of two Units. The Local Unit connects to your CPU using a CPU adapter cable. The Remote Unit connects to the keyboard, video monitor and mouse cables of a KVM station. The Local and Remote Units are connected together with up to 1,000 feet of industry standard CAT5 cable.

Video brightness and sharpness controls are located on the Remote Unit. The brightness and sharpness controls, along with the cable length jumper settings provide the clearest, sharpest picture over long CAT5 cable lengths.

The CrystalView uses a microprocessor to emulate the keyboard and mouse for plug and play operation. The keyboard and mouse on the Remote Unit do not have to be connected for the PC to boot; only the Local Unit must be connected to the PC.

The CrystalView is compatible with the Rose Electronics family of KVM switches such as the ServeView Pro, UltraView Pro, and UltraMatrix.

All models are compatible with Windows, Windows NT, OS/2, Unix, Linux and other operating systems.

The Dual model offers fully automatic KVM sharing on a first-come first-serve basis. The connected computers video is displayed on both the local and remote KVM stations monitors except in the private mode. An inhibit command can be issued from the Local KVM station to lock out the Remote KVM station. On the Dual PC-Serial/Audio and the Dual Sun models, either the Local or the Remote KVM station can issue a command to inhibit the other KVM station.

The CrystalView is ideal for environments where extending long distances between a CPU and a KVM station is needed (up to 1,000feet).

The CrystalView is designed for plug-and-play operation. Connect the computer or server to the local unit, the KVM station to the remote unit, the CAT5 cable to the local and remote units, and its ready to use.

## Specifications (Standard)

<b>Chassis:</b>	(W) (D) (H)
Dimensions	Single 8.80" x 3.40" x 1.75" Dual 8.80" x 3.40" x 1.75"
Weight:	Single 2.50 lbs Dual 5.00 lbs
Type	Electro-galvanized steel Black Powder coated 0.035" thickness
<b>Video:</b>	
Resolution	1600 x 1280 (200feet) 1280 x 1024 (300 feet) 1024 x 768 (300 – 1,000 feet)
Levels	0.7V p-p
Sync type	Separate/composite TTL level
<b>Support:</b>	Keyboards – PC/AT, PS/2, SUN Video – VGA, SVGA, XGA, RGB Mouse – PS/2 two button Microsoft IntelliMouse Logitech three button SUN
<b>Connectors:</b>	
Video in	HD15M
Video out	HD15F
Keyboard	PS/2 – MiniDin-6F Sun – MiniDin-8F
Mouse	PS/2 – MiniDin-6F Sun – MiniDin-8F
Serial	Local – DB9F Remote – DB9M
Audio	3.5mm stereo jack
CAT5	RJ45
Interconnect	CAT5 UTP/STP, EIA/TIA 568
<b>Power:</b>	Local – From PC Remote – 9V 1,000ma external
<b>Environmental:</b>	Temp. 0°C–45°C Humidity 0%–80% non-condensing
<b>Serial Data:</b>	
Baud Rate	up to 19,200
Data Flow	Format independent
Flow control	RTS, CTS, DTR, DSR
<b>Audio Data:</b>	
Signal level	5V p-p
Impedance	47KO
Connectors	3.5mm stereo jack
Transmission	16 bit, 38.4KHz Digitized audio
Microphone	Powered or un-powered
Speakers	Powered
<b>Rack mount kit</b>	
19" kit	RM-UM19
23" Kit	RM-UM23
24" kit	RM-UM24

