

CrystalView Mini USB



Mini USB KVM extender

Supports video resolutions up to 1600 x 1200 @ 75Hz

Extends keyboard, video, mouse, audio, serial, and peripherals up to 150 feet away using CATx* cable

Dual-head video support

Integrated 4-port USB hub on remote unit

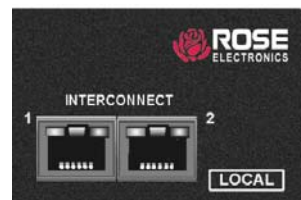
Serial and full stereo audio options

Small in size, less than 5" wide

Features and Benefits

- Supports:
 - VGA to UXGA video modes
 - USB keyboards and mice
 - USB peripherals
 - Serial and Full stereo audio (optional)
- Transparent USB 2.0 compliant link (Low/Full speed only). The extender will operate through USB 2.0 Host Controllers at a reduced USB1.1 speed (12Mb/s)
- Single and Dual video models available.
- Extend a KVM station up to 150 feet away from a CPU using CATx* cable:
- Video resolutions up to 1600 x 1200 @75Hz
- Compatible with Rose Electronics KVM switches such as ServeView Pro, UltraView Pro, and UltraMatrix
- Operating system independent
- Uses a microprocessor to emulate the keyboard and mouse. The keyboard and mouse on the receiver unit do not have to be connected for the PC to boot; only the transmitter must be connected to the PC.
- Fully automatic KVM sharing (Dual access models)
- DDC Support
- Rackmount kits available

* CATx cable = CAT5, CAT5e, CAT6, or higher



Uses standard CATx cable up to 150 feet

The CrystalView™ Mini Advantage . . .

The CrystalView system consists of two units, a Local Unit and a Remote unit. The Local unit connects to your CPU using a CPU adapter cable or a KVM switch. 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 CATx cable.

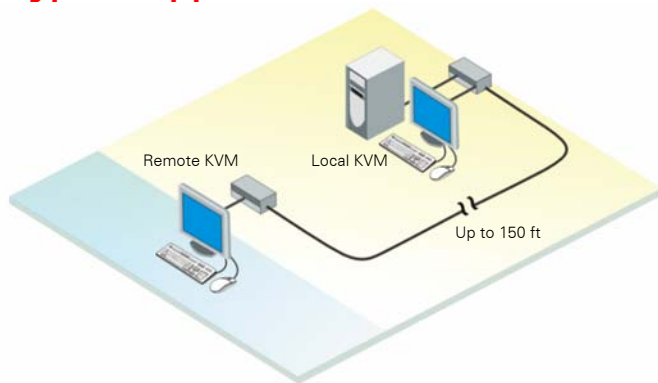
The CrystalView Mini is available in four models:

1. Single video
2. Dual video
3. Single video with Serial/Audio
4. Dual video with Serial/Audio.

The CrystalView Mini uses a microprocessor to emulate the keyboard and mouse for plug and play operation. The keyboard and mouse on the Remote Unit do not need 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 CATx 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.

Typical Application



Accessing a computer from two locations, one is local, the other is 150 feet away

CrystalView Mini basics The CrystalView Mini consists of a local unit that connects to a PC, server, or KVM switch and a remote unit that connects to a keyboard, monitor, and mouse, or KVM switch. The local and remote units are connected together with up to 150 feet of standard CATx cable.

The ideal way to apply the CrystalView Mini is to connect the Local unit to a Rose Electronics KVM switch. Expanding the switch allows access to 1,000 computers or servers.

Installation Installing the CrystalView Mini is as easy as connecting the KVM station to the remote unit, a computer to the local unit, and connecting the local and remote units together with CATx cable.

Models The CrystalView Mini is available in four different models:

- 1- Single video
- 2- Single video with serial/audio support
- 3- Dual video
- 4- Dual video with serial/audio support.

All models offer local access.

Keyboard and mouse emulation The CrystalView Mini uses a microprocessor to emulate the keyboard and mouse. This means that the keyboard and mouse on the remote unit does not have to be connected for the PC to boot. Only the Local unit must be connected to the PC.

Part numbers

CRK-M2U1V	Single Video KVM Extender units
CRK-M2U2V	Dual Video KVM Extender units
CRK-M2U1V/AUD	Single Video KVM Extender units w/serial-audio
CRK-M2U2V/AUD	Dual Video KVM Extender units w/serial-audio
RM-BR3	Rack mount kit

Note: CRK part numbers consist of a local and remote unit

Specifications

Dimensions	Width	Depth	Height	Weight
(in)	5.90	4.30	1.70	0.55 lbs
(mm)	150	110	44	250 gm

Video:

Resolution	1600 x 1200 @ 150 feet
Compatibility	SVGA, VGA, XGA, RGB
Levels	0.7V p-p
Sync type	Separate/composite TTL level

Support:	Keyboard – USB
	Mouse – USB

Connectors:

Video	HD15F
USB Local	USB B
USB Remote	4 port USB A hub
Serial	Local – DB9F
	Remote – DB9M
Audio	(2) 3.5mm stereo jacks
Interconnect	CAT5 UTP/STP, EIA/TIA 568

Power:	Local – From PC
	Remote – 5V , 20Wexternal

Serial Data: (Optional)

Baud Rate	up to 19,200
Data Flow	Format independent
Flow control	TX, RX, RTS, CTS, DTR, DSR

Audio Data: (Optional)

Signal level	4V p-p
Impedance	47KΩ
Connectors	3.5mm stereo jack
Transmission	16 bit, 38.4KHz Digitized audio
Microphone	Powered or un-powered
Speakers	Powered

Environmental:

Temp.	32°F – 113°F (0°C – 45°C)
Humidity	0% – 80% non-condensing

Approvals:

CE



Single Video

Single Video w/serial-audio



Dual Video

Dual Video w/serial-audio

Rear View of All CrystalView Mini USB Models