

# CrystalView Mini USB

Mini USB KVM Extender



## Mini USB KVM extender

Supports video resolutions up to 1600 x 1200 @ 75Hz

Extends keyboard, video, mouse, audio, serial, and USB 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). USB 2.0 devices that require the high-speed mode to operate are not compatible with the CrystalView Mini USB.
- 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
- Fully automatic KVM sharing (Dual access models)
- DDC Support
- Rackmount kits available

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

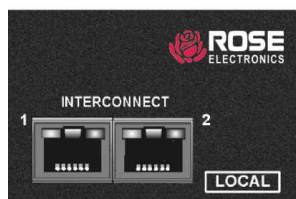
## The CrystalView™ Mini Advantage . . .

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:

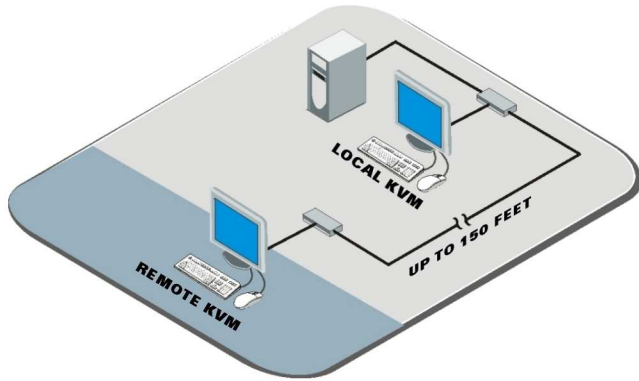
1. Single video
2. Dual video
3. Single video with Serial/Audio
4. Dual video with Serial/Audio.

The 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.



Uses standard CATx cable 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** The CrystalView Mini uses a USB keyboard and USB mouse.

### Part numbers

CRK-M2U1V	Single Video
CRK-M2U2V	Dual Video
CRK-M2U1V/AUD	Single Video w/serial-audio
CRK-M2U2V/AUD	Dual Video w/serial-audio
RM-BR3	Rack mount kit
TRF-05D400FSUB	5VDC power adapter (Local & remote unit – Local adapter is optional)

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

## Specifications

Dimensions	Width	Depth	Height	Weight
(in)	5.90	4.30	1.70	6.6 lbs
(mm)	150	110	44	2.45 Kg

### 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

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