

# 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

## 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.

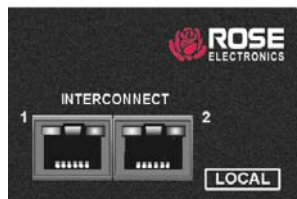
The CrystalView Mini is available in four models:

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.

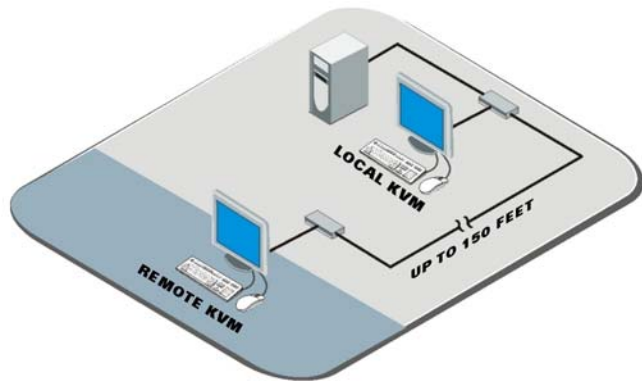
The Serial/Audio model allows stereo audio to be transmitted in either direction across the CATx link simultaneously. Many serial devices like a Touchscreen can plug directly into the serial port on the Remote Unit. The Mini model is small in size but loaded with state of the art technology. It is ideal for extending the distance between a CPU and a KVM station up to 150 feet.

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



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 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   |
| 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<br>(Local & remote unit –<br>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   | 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

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