



### CrystalView EX5 Quad Product Features

- Supports uncompressed HD-DVI video with video resolution of 1920\*1200, up to 330ft (100m) over solid core STP or UTP CATx cable.
- Select the number of DVI video extensions required (dual, triple or quad), and the USB2.0 is included. All configurations also available as video-only models.
- Supports USB2.0 (low bandwidth) USB2.0 and USB1.1 (full-speed / 12 Mbps) USB2.0 and USB1.1 (low-speed / 1.5 Mbps)
- Dual-Head units also available in a convenient Mini Chassis size.
- Audio via USB 2.0 using C-Media, or optional dedicated analog audio/serial channel available.
- 3-USB ports available on the receiver unit.
- Standard USB hubs can be used to increase the maximum number of connected USB devices.
- Up to 500mA of power is available at each USB port for high-power USB devices.
- Each DVI channel requires a separate CATx cable. The USB/Audio is integrated if supported by Windows® USB Media.
- Plug-and-Play installation, no configuration or set-up required.
- Both chassis (TX/RX) can be 19" rack mounted.
- Fully integrated 19" chassis in 1U rack space



CrystalView EX5-Quad. Rear Panel

- Extend Dual, Triple or Quad-DVI video plus USB2.0 and audio up to 330ft (100m)
- Supports uncompressed, single-link DVI video resolutions up to 1920\*1200
- Each video transmits over a single CATx cable
- Rackmountable in a 1U steel chassis

### Product Overview

Whether you're extending two, three or four HD monitors with USB keyboard/mouse, USB2.0 and audio to your remote console location, the **CrystalView EX5-Quad** is a complete CATx extension solution combined in a rackmountable 1U chassis.

For professional and industrial, high-quality HD video extension, simply select the number of DVI monitors required, add a USB keyboard and mouse and remotely control your desktop applications.

The **CrystalView EX5-Quad** features up to 4 high-quality uncompressed DVI video channels, extended up to 330ft (100metres) over CATx cable. Each DVI video channel requires a separate CATx extension cable. USB2.0 support is integrated. Perfect for high density dual-head and quad-head DVI video applications with USB control, this cost-effective extender comes in a sturdy metal chassis with stabilized power at each end.

USB1.1 and USB2.0 (low bandwidth) device support is included. There are 3 USB 2.0 ports on the receiver unit, and each port can be expanded by the addition of a USB powered Hub, to a maximum of 13 USB devices.

The **CrystalView EX5-Quad** extender is ideal for use in industrial control areas, CAD, video production and broadcast applications, digital signage, and video surveillance, where multiple DVI video extensions with USB control are required. Video-only models are also available.

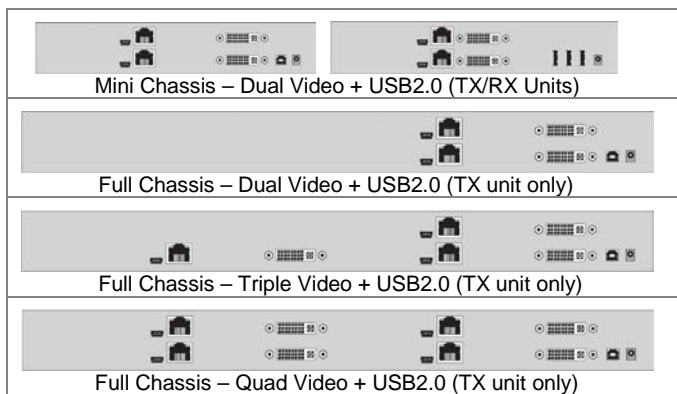
## Installation



The **CrystalView EX5-Quad** transmitter and receiver units are connected together with up to 330 feet (100m) of solid core CAT5e/6 cable. The receiver unit supports additional USB hubs to expand the number of connected USB devices.

Audio-over-USB can be activated using C-Media USB plug-and-play features, or an optional dedicated audio/serial link can be ordered with the extender.

## Dual, Triple and Quad Video Models



The Mini “M” Chassis version can be used where space is limited, or where the remote unit needs to be mounted under a desk or console station (see under desk rackmount bracket)

**Audio/Serial Support** Analog (3.5mm) audio for microphone/speaker and serial (RS232C) can be added to all chassis as an option.

**CrystalView EX5 Combo Units** The product can also be factory configured as 2, 3 or 4 separate extenders in a single chassis. For example, a dual-extender chassis would have 2 DVI dual-head extenders, each with its own USB 2.0 support (and optional audio/serial).

Check with Rose Electronics for further details.



CrystalView EX5-Quad. Front Panel

## Specifications

<b>Video Interface</b>	DVI-D on TX and RX units	
<b>Resolution</b>	Up to 1920 x 1200	
<b>Distance</b>	330ft (100 meters) point-to-point	
<b>USB Device Support</b>	High-speed (USB2.0) up to 30Mbps Full-speed (USB2.0 and USB1.1) Low-speed (USB2.0 and USB1.1)	
<b>USB Host Support</b>	EHCI (USB2.0) and OHCI/UHCI (USB1.1)	
<b>USB Hub Support</b>	Up to 4 USB powered Hubs plus one CrystalView EX5-Quad in a single chain	
<b># USB Devices</b>	A maximum of 13 USB devices	
<b>USB Port Power</b>	500mA at each port (3)	
<b>CATx Cable</b>	Solid core CAT5e or better. CAT6 STP recommended for best performance	
<b>Connectors</b>	<b>Transmitter</b>	<b>Receiver</b>
<b>DVI Video</b>	2, 3, 4 DVI-D(F)	2, 3, 4 DVI-D(F)
<b>USB</b>	1x USB Type B	3x USB Type A
<b>CATx Link</b>	2, 3, 4 RJ45(F)	2, 3, 4 RJ45(F)
<b>Audio</b>	3.5mm audio	3.5mm audio
<b>Serial</b>	1 DB9M (RS232)	1 DB9M (RS232)
<b>LED's</b>	<b>Transmitter</b> Power, Link, USB, Video	<b>Receiver</b> Power, Link, USB, Video
<b>Chassis Dimensions (W x D x H)</b>	<b>“M” Chassis</b> 9.0 x 5.7 x 1.75 (in) 228 x 145 x 43 (mm)	<b>“B” Chassis</b> 16.7 x 4.8 x 1.75(in) 424 * 123 * 43 (cm)
<b>Power Source</b>	Input Output	100/240VAC, 50/60 5VDC, 5A, (25W)
<b>Environmental</b>	<b>Op Temp</b> 32°F to 104°F (0 °C to 40 °F) <b>Storage Temp</b> -4°F to 158°F (-20 °C to 70 °F) <b>Relative Humidity</b> 20% to 80% non-condensing	
<b>Chassis Type</b>	Black anodised steel. 1U Height	
<b>Approvals</b>	FCC Part 15 Class A, CE Class A, ICES-003 Class A	

## Part Numbers (contact Rose Electronics for full listing)

<b>CRK-1DTXT2DM-EX5</b>	Dual DVI-D, USB, Mini Chassis
<b>CRK-1DTXT2D-EX5</b>	Dual DVI-D, USB, “B” Chassis
<b>CRK-1DTXT3D-EX5</b>	Triple DVI-D, USB, “B” Chassis
<b>CRK-1DTXT4D-EX5</b>	Quad DVI-D, USB, “B” Chassis
<b>/A1</b>	Optional Audio only (uni-directional)
<b>/AS</b>	Optional Audio + Serial
<b>/1S</b>	Optional Serial DB9
<b>RM-UM19</b>	Rackmount kit for “M” Chassis
<b>RM-UB19</b>	Rackmount kit for “B” Chassis
<b>RM-UD-1U</b>	Under desk bracket for “M” Chassis

Specifications subject to change without notice

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