CrystalView EX5 Quad

Multiport Digital KVM Extender



- 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

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

Product Overview

Whether you're extending two, three or four HD monitors with USB keyboard/mouse, USB2.0 and audic 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.



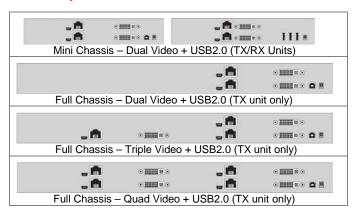
Installation



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

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Video Interface	DVI-D on TX and RX units	
Resolution	Up to 1920 x 1200	
Distance	330ft (100 meters) point-to-point	
USB Device Support	High-speed (USB2.0) up to 30Mbps Full-speed (USB2.0 and USB1.1) Low-speed (USB2.0 and USB1.1)	
USB Host Support	EHCI (USB2.0) and OHCI/UHCI (USB1.1)	
USB Hub Support	Up to 4 USB powered Hubs plus one CrystalView EX5-Quad in a single chain	
# USB Devices	A maximum of 13 USB devices	
USB Port Power	500mA at each port (3)	
CATx Cable	Solid core CAT5e or better. CAT6 STP recommended for best performance	
Connectors DVI Video USB CATx Link Audio Serial	Transmitter 2, 3, 4 DVI-D(F) 1x USB Type B 2, 3, 4 RJ45(F) 3.5mm audio 1 DB9M (RS232)	Receiver 2, 3, 4 DVI-D(F) 3x USB Type A 2, 3, 44 RJ45(F) 3.5mm audio 1 DB9M (RS232)
LED's	Transmitter Power, Link, USB, Video	Receiver Power, Link, USB, Video
Chassis Dimensions (W x D x H)	"M" Chassis 9.0 x 5.7 x 1.75 (in) 228 x 145 x 43 (mm)	"B" Chassis 16.7 x 4.8 x 1.75(in) 424 * 123 * 43 (cm)
Power Source	Input Output	100/240VAC, 50/60 5VDC, 5A, (25W)
Environmental Op Temp Storage Temp Relative Humidity	32°F to 104°F (0 °C to 40 °F) -4°F to 158°F (-20 °C to 70 °F) 20% to 80% non-condensing	
Chassis Type	Black anodised steel. 1U Height	
Approvals	FCC Part 15 Class A, CE Class A, ICES-003 Class A	

Part Numbers (contact Rose Electronics for full listing)

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

Specifications subject to change without notice

