



- Extend HDMI and USB2.0 up to 100metres (330ft) over a single CATx cable
- Experience crisp, clear full HD video to 1080p
- Uncompressed video extension for 1920\*1200
- Supports US2.0 up to 30Mbps
- Integrated 3-port US2.0 hub on Receiver
- Secure, isolated, high-speed extension
- Plug-and-play product. No drivers or jumpers

### CrystalView-HDMI Product Features

- Extends HDMI® and USB2.0 devices beyond the standard 3m cable limit, up to 100m.
- Supports uncompressed HDMI® video up to 1920\*1200, with 36-bit color depth.
- Integrated 3-port hub provides direct support for 3 different USB2.0 and USB1.1 devices and peripherals. A powered hub can be added to expand the number of USB ports available.
- Supports CAT5e (solid core) or better cabling. Optimum performance can be expected with CAT6/Cat7 STP solid core cable.
- Supports 36-bit color, 3D, 4K, Deep Color, x.v. Color, Lip-Sync, CEC, and HDCP pass-through.
- Plug-and-Play installation, no configuration, driver installation or set-up required.
- Supports all major operating systems: Windows®, Mac OS X® and Linux®.
- Installation consists of:
  - Connect the Receiver to your HDMI monitor and USB 2.0 controlling devices.
  - Connect the Transmitter to your computer or host HDMI/USB device.
  - Connect the Transmitter to the Receiver with up to 330ft (100m) of suitable CATx solid-core cable.
  - Apply power and the installation is complete.
- Transmitter and Receiver units require a +5VDC power adapter (included).

### Product Overview

The **CrystalView-HDMI** extender is a professional and industrial grade extender, ideally suited for the remote and secure operation of a high performance HDMI monitor and associated USB peripherals. HDMI audio is also supported.

Featuring uncompressed HD digital video transmission (1080p, 1920\*1200, and 4K), and also supporting Deep Color and x.v.Color, this HDMI/USB extender is ideal for locating a high-performance remote console management workstation conveniently away from the HDMI host device location .

The HDCP pass-through feature allows digital content from compatible HDCP devices to be transmitted without frame-dropping.

When combined with USB 2.0 and lower bandwidth USB1.1 devices with up to 30Mbps bandwidth, **The CrystalView-HDMI** offers unrivalled performance for HD video extension requirements up to 100m (330ft).

### CrystalView-HDMI Applications

The **CrystalView-HDMI** extender is ideal for use in industrial automation and simulation environments, pro audio visual, medical diagnostics, premium home theatre and interactive digital signage.



## Typical Operating Mode



Control your HDMI device up to 330ft (100m) away

**CrystalView-HDMI** The transmitter unit connects to your host computer or video source and the receiver unit connects to your remote HDMI/USB2.0 device. The transmitter and receiver units are connected together with up to 330 feet (100m) of CATx solid core cable, with STP cable providing optimum results. Use of CATx patch cables will significantly reduce the operating performance of the product.

**USB2.0 Support** The *CrystalView-HDMI* features a 3-port USB2.0 hub that enables USB devices such as keyboard, mouse, touchscreen, flash drives and joysticks to be operated remotely. The remote unit provides 500mA of power for each USB port.

**Installation** The *CrystalView-HDMI* chassis is small and lightweight, and can be easily installed at a remote user location. The transmitter unit can be mounted in a purpose-built 19" rackmount shelf or otherwise mounted in a rack frame.

Best results will be obtained using CAT5e or better cable, solid core, STP preferred.

The maximum distance and product performance will be reduced if the product is subjected to external radio/electrical interference or if the CATx cable is coiled.

### Part Numbers

<b>CRK-1DXT-HDMI</b>	CrystalView HDMI Extender
<b>RM-CRV-EX/19</b>	Rackmount Kit

## Specifications

Dimensions	Depth	Width	Height
<b>Transmitter (in/mm)</b>	<b>4.4 / 112</b>	<b>6.9 / 175</b>	<b>1.2 / 30</b>
<b>Receiver (in/mm)</b>	<b>4.4 / 112</b>	<b>6.9 / 175</b>	<b>1.2 / 30</b>
<b>Video</b>	High definition 1080p, 1920*1200, 4K 36-bit, Deep Color and x.v.Color 2D and 3D color depth Includes HDMI 1.3 audio		
<b>Video Latency</b>	Less than 1ms		
<b>Distance</b>	Up to 100m (330ft)		
<b>USB Device Support</b>	High-Speed (USB 2.0) - up to 30Mbps Full-Speed (USB 2.0 /1.1) - up to 12Mbps Low-Speed (USB 2.0/1.1) - up to 1.5Mbps		
<b>USB Hub Support</b>	Supports a maximum of 4 powered hubs		
<b>USB Host Support</b>	EHCI (USB 2.0) and OHCI/UHCI (USB 1.1)		
<b>Local Connectors</b>	1* HDMI-In 1* USB2.0 type B. 1* RJ45 (link) 1* Power		
<b>Remote Connectors</b>	1* HDMI-Out 3* USB2.0 type A (hub). 1* RJ45 (link) 1* Power		
<b>Interconnect Cable</b>	CAT5e or better, Solid Core, UTP/STP Cable pinned to T568A/T568B		
<b>Power</b>	Local - 100-240VAC, 5VDC Remote - 100-240VAC, 5VDC		
<b>Max Current at RX</b>	500mA at each USB port		
<b>Environmental</b>	Temp - 32 °F - 104°F (0°C – 40°C) Humidity: 20%-80%, relative humidity, non-condensing		
<b>Approvals</b>	FCC, CE, ICES-003, RoHS2		
<b>LED's</b>	Power, Link, USB, Video		

**HDMI®**



Transmitter (Top) and Receiver (Bottom)



CrystalView-HDMI rackmounted 2-wide

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