



Transmitter shown in RCIXT100-TXUH-2D-S-CL

### Features

- Use two Cat6 cables to extend pure digital high definition HDMI audio video signals
- Can drive cables to 170 ft @ 1080i/720p or 130ft @ 1080p on 2 Cat6 cables
- Re-aligns the pixel clock and generates a clean pixel clock for the display
- No power supply necessary (is powered from RXUH-2D-R Receiver)
- Buffers DDC (Display Data Channel) for reliable operation of HDCP and EDID
- 3D HDMI Ready
- HDCP Compliant
- Device may be mounted to any RCI custom wallplate, panel or modular insert.

### TX UH-2D-S

The TX UH-2D-S-DP is an HDMI™ over Cat6 sender. It is compatible with the TX UH-2D-R receiver and is a member of the Hall Research HD-Cat™ video extension product line that use dual Cat6 HDMI extension. The unit is conveniently powered from remote end and no power supply connection is needed for operation. The Sender and Receiver set support HDCP, Deep-Color, 3D and can achieve a distance of up to 170 ft @ 1080i/720p or 130 ft @ 1080p resolution over two Cat6 cables.

The TX UH-2D-S-DP is designed for operation with standard Cat6 cables (TIA/EIA 568B wiring). You can use Cat5e cables also if the distance between sender and receiver is 90 ft or less. Shielded Cat6 (STP) can also be used; in fact, STP cables offer the best performance and provide immunity to poor grounding or external noise. Avoid using Zero-skew or low skew cables. The low skew cables work well for analog video extension, but are suitable for digital signals.

**This sender must be paired with a RXUH-2D-R Receiver.**

## Specifications

Supported Resolutions: PC from VGA to WUXGA, HDTV from 480i to 1080p

Max Cable Length: Using Cat6: 130 ft (40m) at 1080p, 170 ft (52m) at 1080i or below

Mounting: Custom mounted to any RCI plate or panel

Dimensions: 1.4" (W) x 4.65" (H) x 1.8" (D)

## Block Diagram

