**SECTION 27 41 16**

**INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT**

**GUIDE SPECIFICATION**

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*Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.*

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# **GENERAL**

*NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.*

## **Description: Single cable 4K HDMI Receiver**

# **PRODUCTS**

## **Receiver Type 7**

### Basis of Design

#### Crestron HD-RX-201-C-E

### Device Architecture

#### Physical Form factor

##### Surface mount via integrated flange

### Functions

#### The receiver shall support input switching with the following options:

##### Remote switching and control via web interface

##### Automatic switching to active input

##### Manual switching via integrated selection buttons

##### Remote switching and control via control processor by same manufacturer

#### Single UTP/STP cable transmission receiver

##### Signal transmission up to 230 feet.

##### Minimum cable type supported: UTP/STP CAT5e

### Connectors

#### The device shall include the following connectors:

##### One (1) HDMI output with support for the following:

###### HDMI with Deep Color

###### HDCP 1.4 compliant

###### Video scaling

HD video scaler and deinterlacer, and noise reduction

3:2/2:2 pull-down detection and recovery

Aspect ratio selection

VGA phase/clock & H/V position adjustments

Picture and RGB color adjustments

Scaler output resolutions, Progressive: Auto, 640x480@60Hz, to 1920x1200@60Hz

Scaler output resolutions, Interlaced: Auto, 480i, 576i, 1080i25, 1080i30

###### DVI-D with adaptor

###### EDID

##### One (1) HDMI input with support for the following:

###### HDMI with Deep Color

###### HDCP 1.4 compliant

###### DisplayPort Dual-Mode

###### DVI-D with adaptor

###### EDID

##### One (1) RJ45 single cable HDMI transmission input with support for the following:

###### Link port for connection to compatible transmission device by same manufacturer

###### Power sharing option for connected remote transmission device

###### HDMI with Deep Color

###### HDCP 1.4 compliant

###### EDID

##### One (1) Stereo output

##### One (1) Control IR output port

##### One (1) Control Serial port

##### One (1) USB Type A connector with support for:

###### Service and firmware update connection

##### One (1) RJ45 Ethernet port

### Power

#### Power supply

##### Power supply shall support device and connected equipment

### Compliance

#### UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

## **Receiver Type 8**

### Basis of Design

#### Crestron HD-RX-101-C-E

### Device Architecture

#### Physical Form factor

##### Surface mount via integrated flange

### Functions

#### Single UTP/STP cable transmission receiver

##### Signal transmission up to 230 feet.

##### Minimum cable type supported: UTP/STP CAT5e

### Connectors

#### The device shall include the following connectors:

##### One (1) HDMI output with support for the following:

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### DVI-D with adaptor

###### EDID

##### One (1) RJ45 single cable HDMI transmission input with support for the following:

###### Link port for connection to compatible transmission device by same manufacturer

###### Power sharing option for connected remote transmission device

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### EDID

###### Common resolutions: 1920x1080 60Hz to 4096x2160 DCI 4K 4:4:4 30Hz

###### Custom resolutions: pixel clock rates up to 300 MHz

### Compliance

#### UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

## **Receiver Type 9**

### Basis of Design

#### Crestron HD-RX-101-C-1G-E

### Device Architecture

#### Physical Form factor

##### Wall mount device, mounts in a 1-gang (or larger) 2-1/4 inch (57 mm) deep U.S. electrical box

### Functions

#### Single UTP/STP cable transmission receiver

##### Signal transmission up to 230 feet.

##### Minimum cable type supported: UTP/STP CAT5e

### Connectors

#### The device shall include the following connectors:

##### One (1) HDMI output with support for the following:

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### DVI-D with adaptor

###### EDID

##### One (1) RJ45 single cable HDMI transmission input with support for the following:

###### Link port for connection to compatible transmission device by same manufacturer

###### Power sharing option for connected remote transmission device

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### EDID

###### Common resolutions: 1920x1080 60Hz to 4096x2160 DCI 4K 4:4:4 30Hz

###### Custom resolutions: pixel clock rates up to 300 MHz

### Compliance

#### UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

## **Receiver Type 10**

### Basis of Design

#### Crestron HD-RXC-101-C-E

### Device Architecture

#### Physical Form factor

##### Surface mount via integrated flange

### Functions

#### Single UTP/STP cable transmission receiver

##### Signal transmission up to 230 feet.

##### Minimum cable type supported: UTP/STP CAT5e

### Connectors

#### The device shall include the following connectors:

##### One (1) HDMI output with support for the following:

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### DVI-D with adaptor

###### EDID

##### One (1) RJ45 single cable HDMI transmission input with support for the following:

###### Link port for connection to compatible transmission device by same manufacturer

###### Power sharing option for connected remote transmission device

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### EDID

###### Common resolutions: 1920x1080 60Hz to 4096x2160 DCI 4K 4:4:4 30Hz

###### Custom resolutions: pixel clock rates up to 300 MHz

##### One (1) Control IR output port

##### One (1) Control Serial port

### Compliance

#### UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

## **Receiver Type 11**

### Basis of Design

#### Crestron HD-RXC-101-C-E

### Device Architecture

#### Physical Form factor

##### Wall mount device, mounts in a 1-gang (or larger) 2-1/4 inch (57 mm) deep U.S. electrical box

### Functions

#### Single UTP/STP cable transmission receiver

##### Signal transmission up to 230 feet.

##### Minimum cable type supported: UTP/STP CAT5e

### Connectors

#### The device shall include the following connectors:

##### One (1) HDMI output with support for the following:

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### DVI-D with adaptor

###### EDID

##### One (1) RJ45 single cable HDMI transmission input with support for the following:

###### Link port for connection to compatible transmission device by same manufacturer

###### Power sharing option for connected remote transmission device

###### HDMI with Deep Color and 4K

###### HDCP 2.2 compliant

###### EDID

###### Common resolutions: 1920x1080 60Hz to 4096x2160 DCI 4K 4:4:4 30Hz

###### Custom resolutions: pixel clock rates up to 300 MHz

##### One (1) Control IR output port

##### One (1) Control Serial port

### Compliance

#### UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

# **EXECUTION**

*NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.*

# **APPENDICES**

## **SPECIFIED PRODUCTS**

### Crestron HD-RXC-101-C-1G-E

### Crestron HD-RXC-101-C-E

### Crestron HD-RX-101-C-1G-E

### Crestron HD-RX-101-C-E

### Crestron HD-RX-201-C-E