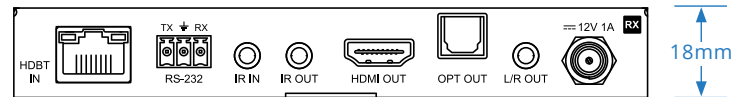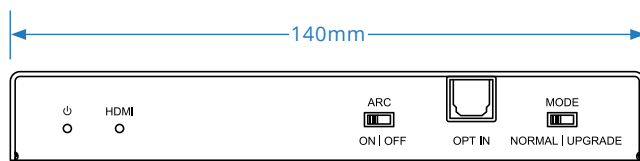# RX70CS

BLUSTREAM

HDBaseT™ CSC Receiver

Description

Our RX70CS HDMI 2.0 4K 60Hz 4:4:4 (18Gbps) HDCP 2.2 HDBaseT™ ARC Receiver offers market leading features and outstanding value utilising CSC technology.
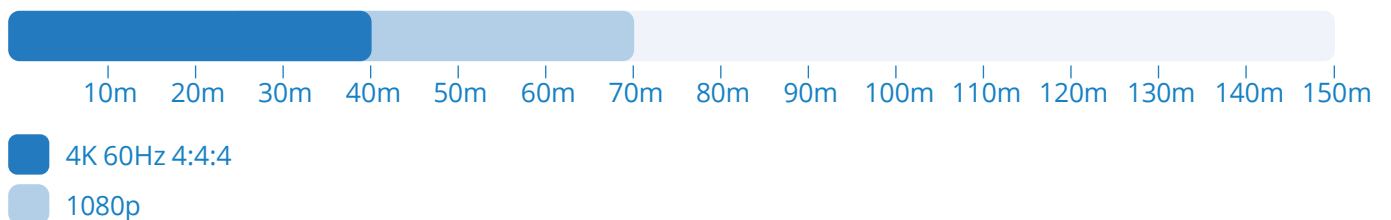
The product extends HDMI, Bi-directional IR & RS-232 and is powered by the matrix up to lengths of 70m (4K 40m). The Receiver features ARC support when used with compatible Blustream hardware and simultaneous analogue stereo and Optical Toslink audio breakout.

4K 60Hz 4:4:4   **HDMI 2.0**   **HDBT**   **HDCP 2.2**

R G B CSC   **OPTICAL AUDIO RETURN**   **ARC**   **PoC**

140mm

| ⏻   HDMI | ARC ON | OFF | OPT IN | MODE NORMAL | UPGRADE |

HDBT IN   TX ↯ RX   RS-232   IR IN   IR OUT   HDMI OUT   OPT OUT   L/R OUT   12V 1A   RX

18mm

Key Features

- Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable

- Advanced Colour Space Conversion (CSC) supports HDMI2.0 18Gbps specification including HDR

- Extends HDMI 1080p up to a distance of 70m over a single CAT cable

- Supports 4K 60Hz 4:4:4 UHD video up to 40m

- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K

- Automatic downscaling of up to 4K 60Hz 4:4:4 video input to 1080p

- Supports ARC (Audio Return Channel) from connected display via HDMI or Optical digital inputs (when used with compatible Blustream transmitter / matrix)

- Supports all known HDMI audio formats including Dolby TrueHD, Atmos and DTS-HD Master Audio transmission

- Bi-directional RS-232 pass-through

- Supports bi-directional IR pass-through to compatible HDBaseT™ device

- Supports bi-directional PoC to power RX70CS from compatible Blustream HDBaseT™ transmitter / matrix products or provide power to HDBaseT™ transmitter when RX70CS is powered with local power supply

- HDCP 2.2 support

Transmission Distance via Cat6

10m   20m   30m   40m   50m   60m   70m   80m   90m   100m   110m   120m   130m   140m   150m

■ 4K 60Hz 4:4:4

▫ 1080p

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HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE   **HDBT**   **Dante**   **Dolby**   **dts**

Connectivity

- Video Input Connectors: 1 x HDBaseT™ RJ45 connector
- Video Output Connectors: 1 x HDMI Type A, female
- Audio Input Connectors: 1 x Toslink (S/PDIF)
- Audio Output Connectors: 1x Toslink (S/PDIF), 1 x 3.5mm L/R Analogue audio
- RS-232 Serial Port: 1 x 3-pin Phoenix connector
- IR Input Port: 1 x 3.5mm stereo jack
- IR Output Port: 1 x 3.5mm mono jack

Specifications

- Mounting Kit included
- Casing Dimensions (W x H x D): 140 x 84 x 18mm
- Dimensions Including Connections (W x H x D): 140 x 98 x 18mm
- Power Supply: 12V/1A DC, screw type connector (not included)
- Shipping Weight: 0.5Kg
- Operating Temperature: 32°F to 104°F (-5°C to +55°C)
- Storage Temperature: -4°F to 140°F (-25°C to +70°C)

Included Accessories

Mounting	2 x Brackets

Compatible Matrix / Switchers

The RX70CS can be used with the following transmission devices to achieve CSC and Audio Return. The maximum compatibility of any other Blustream HDBaseT™ device will be 4K 60Hz 4:2:0 or 4K 30Hz 4:4:4.

- AMF42AU
- HMXL66ARC
- HMXL88ARC
- SW41HDBT
- C66CS
- C88CS

Regulatory Compliance

FC C E RoHS Compliant CAN ICES-3 (B)/NMB-3(B)

Blustream cannot be held responsible for errors in typography or photography. Specifications are subject to change without notice.

BLUSTREAM HDMI HDBT Dante Dolby dts