

HDMI (HDBaseT) Extenders



Product Code	Description
SC05.2070	70m, HDBaseT Extender
SC05.2100	100m, HDBaseT Extender
SC05.3070	70m HDBaseT Extender with RS232
SC05.3100	100m HDBaseT Extender with RS232

Key Features

- Extends UHD 4K over a single CAT5e.6 cable
- Supports resolutions up to 4K@60Hz
- HDMI 2.0, HDCP 2.2
- Transmission distance up to 100m
- Bi-Directional Infra Red and Full Duplex RS232
- PoC (Power over cable)

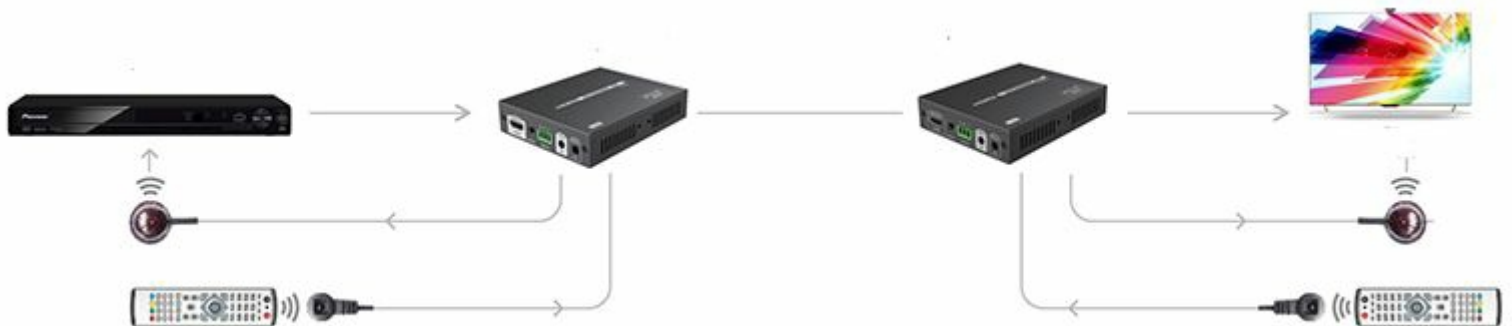


Description

The Scion HDBaseT™ extenders increase the operating distance between the HDMI source and display using a single CAT5e/6 cable by up to 100m.

Uncompressed Ultra HD 4K signals are transmitted without signal loss and automatically adjusts for CAT5e/6 cable lengths. Bi-Directional Infra-Red and RS232 provides control for both the source and screen. The extenders use HDBaseT Class A technology to achieve Ultra HD 4K@60Hz. Receivers are powered by the transmitter removing the need for a bulky power supply behind the screen.

Connection Drawing



Specification

Connectors

Transmitter : 1 x HDMI Socket Type A
: 1 x RJ45 Socket
: 2 x 3.5mm Jack
: 1 x 3-Pin Phoenix
: 1 x DC Jack

Receiver : 1 x HDMI Socket Type A
: 1 x RJ45 Socket
: 2 x 3.5mm Jack
: 1 x 3-Pin Phoenix
: 1 x DC Jack

Signal

HDMI Input Resolution : 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz,
1080i@50/60Hz, 1080p@50/60Hz,
4Kx2K @24/25/30/60Hz

HDMI Output Resolution : 1080p@60Hz, 4Kx2K@30/60Hz
HDMI Compliance : HDMI 2.0 and HDCP 2.2
Maximun Transfer Rate : 18Gbps
Input & Output TMDS Signal : 0.7~1.5Vp-p (TMDS)
Input & Output DDC Signal : 5Vp-p(TTL)
Transmission Length : 120m using CAT5e or better
HDMI Input Cable Length : ≤5m(AWG24)
HDMI Output Cable Length : ≤5m(AWG24)
IR Remote : Supports IR passback with 20~60KHz frequency
Transfer Method : Over UTP/STP CAT5/5e/6

Power

Power : DC12V/2A
Power Consumption : TX:>6W RX:>8W
Mean Time Between Failure (MTBF) : >30000 Hours

Environment

Working Temperature : 0 ~ 50°C
Storage Temperature : -10 ~ 70°C
Humidity : 0 ~ 90% (no condensation)
Dimensions : 110(L) x 88(W) x 24(H)mm
Weight : TX:250g, RX:250g