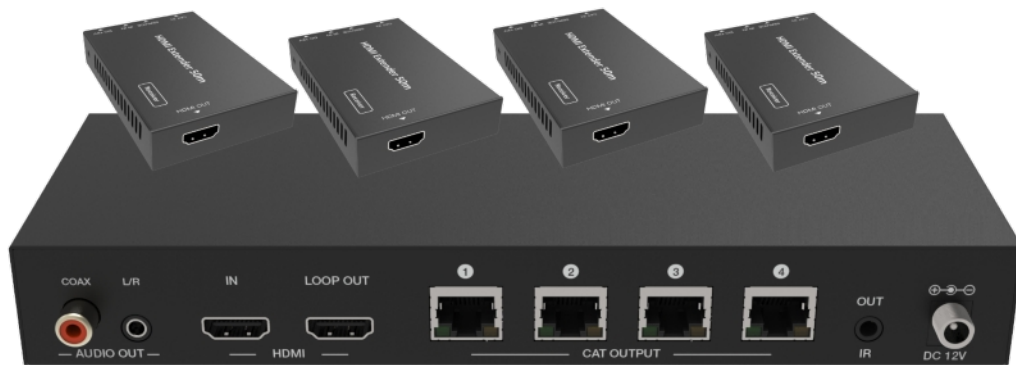# SCION

1:4 HDMI Splitter over CAT6
18G, 4K/60Hz 4:4:4, HDR

Key Features

- 18G, 1:4 HDMI Splitter over CAT6
- HDMI 2.0, HDCP 2.2
- Up to 60m Distance over CAT6/6a/7
- 4K/60Hz, YCbCr 4:4:4, HDR, HDR10+
- LPCM 7.1, Dolby True HD, DTS-HD

- Looped HDMI output
- Return IR Path for Source Control
- Extracts analogue and digital audio
- Advanced EDID Management
- PoC (Power over Cable)

Description

This professional 1 in 4 out HDMI splitter over CAT6 delivers lossless 4K/60Hz video resolution up to 60m over a single CAT6 cable. With it's 18G high spec performance, this splitter supports 8/10/12bit colour depth, YCbCr 4:4:4 colour space, HDR, HDR+, HLG and Dolby Vision™. The splitter also supports all digital audio formats up to LPCM 7.1 and offers de-embedded analogue and digital audio for connecting to a sound system. A looped HDMI output is provided for connecting a local screen or stacking several splitters for larger installations.

Each receiver has an Infra-Red return path for controlling the soucre device and the receivers are powered from the splitter over the CAT6 (PoC), therefore removing the need for local PSU's behind the screens.

The advanced EDID management ensures the splitter is compatible with all displays making this splitter quick and easy to install.

This splitter is supplied with 4 x receivers and is ideal for the home, retail displays, education, control centres, churches or anywhere were you have multiple displays spread over long distances.

Specifications

Connections

Main Unit (Splitter)

HDMI Input: 1 x HDMI Type A, 19-Pin Female
CAT6/6a/7 Output: 4 x RJ45 Data socket
Looped HDMI Output: 1 x HDMI Type A, 19-Pin Female
Digital Audio Output: 1 x Coax RCA Phono
Analogue L/R Audio Output: 1 x 3.5mm Stereo Jack Socket
Infra-Red Output: 1 x 3.5mm Jack Socket
RS232 Service: 1 x Micro USB
Power: 1 x DC Jack

Receiver

CAT6/6a/7 Input: 1 x RJ45 Data Socket
HDMI Output: 1 x HDMI Type A, 19-Pin Female
Infra-Red Input: 1 x 3.5mm Jack Socket
RS232 Service: 1 x Micro USB
Power: 1 x DC Jack (not required when used with SC02.6040)

Signal

Signal Input: HDMI
Standards: HDMI 2.0b, HDCP 1.x and 2.2
Bandwidth: 18Gbps
Video Resolutions: 4K/60Hz, 4:4:4
Colour Space: RGB/YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0, HDR, HDR 10+, HLG, Dolby Vision
Colour Depth: 8/10/12-bit
HDMI Audio: LPCM 7.1, Dolby Atmos™, Dolby True HD™, Dolby Digital™ Plus, DTS: X™, DTS-HD™ Master Audio™ pass through
Digital Audio: PCM 2.0, Dolby Digital / Plus, DTS 2.0/5.1
L/R Stereo Audio: PCM 2.0CH
Infra-Red: Wide Bandwidth, Frequency 30KHz to 56KHz (940nm)

Cable Lengths

HDMI Input/Output Cable: 4K/60Hz 4:4:4@3m, 4K/60Hz 4:2:0@5m, 1080p/60Hz@15m
CAT5e/6/7 Distance: 4K/60Hz 4:4:4@35m, 4K/30Hz@50m, 1080p/60Hz@60m

Power Adaptor

Input: 100~240V AC 50/60Hz
Output: DC 12V/2.5A
Consumption: 14 Watts

Environment

Operating Temperature: -0° to 40°C
Storage Temperature: -20° to 60°C
Operating Humidity: 20 to 90% RH (no condensation)
Dimensions: Splitter (W) 210 x (D) 100 x (H) 25, Receiver (W) 61 x (D) 88 x (H) 18
Weight: Splitter 620g, Receiver 155g
Colour: Black
ESD: Human Body - +/-8kV, (air gap discharge) & +/-4kV (contact discharge)
Safety and Emissions: CE, FCC, UL, RoHS