



# Scion-Tech Ltd

*Digital Video Distribution*

January 2023  
V1.3

## Product Catalogue



# Introduction

Understanding and listening to our customers requirements gives us the edge in this rapidly growing market and produces leading edge technology products for distributing Ultra HD video over CAT5e/6/7 cable.

From small personal domestic installations to larger corporate projects, the team at Scion will help guide you through the planning and installation of such an important feature of your home or business. As a pioneer in video over CAT5e/6/7, Scion can provide solutions tailored to fit your budget without compromising quality or performance.

Whether you need real time, zero latency video for your trading floor, or high definition 4K images in the boardroom, Scion can help.

We all at some point nowadays will purchase on line so we have deliberately set out to show with images, text and videos the information you need to be able to see that a product is right for you. Mind you, if we sat back and said to ourselves that this is enough to receive your order then we would be complacent! So we aim to ensure we support you with:

- Great customer care
- Competitive and attractive prices
- Prompt deliveries

And if you do have a problem? Well we will resolve that problem quickly and efficiently as our ultimate goal is to see you come back to us. We don't get everything right but be assured that we'll do our very best to ensure that you get the very best service.

So we hope this gives an indication of who we are and what we can offer. There are many ways of contacting us, so if you require any further information we would be happy to hear from you.

# About Scion

## Scion Quality Guarantee

All Scion products come with a three year warranty and unprecedented technical support from a team of experienced engineers. With a strict quality control procedure and every attention to detail, you will feel comfortable and satisfied from the moment you contact our team right through to installation and operation.

## Scion Technology

We provide the latest cutting edge technology for scaling, streaming, extending, distributing and controlling high definition audio visual products. These technologies include HDBaseT, SDVoE, ITE and many more. Our most recent introduction is HDMI over IP, utilising SDVoE technology and providing 18G real time high definition video and audio over industry standard network switches.

## Scion Platform

With over 35 years experience in the audio visual industry, the companies managing director understands the needs of industry traders, installers and end users alike. Scion is a family business and understands that off the shelf standard products are not always suitable for every installation and therefore pride ourselves on our ability to produce at speed, new innovative products or modify exciting products to suite your project.

## Scion Service

Located in the central south of the United Kingdom we provide and service UK traders and installers from our head office and partner professional organisations throughout Europe, Middle East and Africa.

Scion is positioned as an OEM/ODM manufacturer providing excellent before and after sales support.



Scion Tech Ltd  
10 Thatcham Business Village  
Colthrop Way  
Thatcham  
Berkshire. RG19 4LW  
United Kingdom

Tel: +44 (0) 1635 226450  
Email: [sales@scion-tech.co.uk](mailto:sales@scion-tech.co.uk)  
Web: [www.scion-tech.co.uk](http://www.scion-tech.co.uk)

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# HDMI Extenders

## SC01.7060

70M HDMI Extender with IR, 4K

### Main Features

Distance: 70m over CAT5e/6/7

HDMI 2.0, HDCP 2.2

Resolution: 4K/60Hz 4:4:4, HDR

18Gbps Zero latency (uncompressed)

LPCM, Dolby Digital™, DTS Digital Surround

IR return path for source control

Transmitter has looped HDMI output

PoC, Power only one end (Tx or Rx)



Product Code	Description
SC01.7060	Transmitter & Receiver

## SC01.7060A

90M HDMI Extender with IR, 4K, Audio Extraction

### Main Features

Distance: 90m over CAT5e/6/7

HDMI 2.0, HDCP 2.2

Resolution: 4K/60Hz 4:4:4, HDR

18Gbps Zero latency (uncompressed)

IR return path for source control

LPCM, Dolby Digital™, DTS Digital Surround Sound™

Transmitter has looped HDMI output for local screen

PoC, Power only one end (Tx or Rx)

Analogue and Digital audio extraction



Product Code	Description
SC01.7060A	Transmitter & Receiver

# HDMI Extenders

## SC05.8070

70m HDBaseT 2.0 Extender with ARC



### Main Features

HDMI 2.0b, HDCP 2.2 compliant

Up to 4K/60Hz with 24bit RGB/YCBR 4:4:4

18Gbps Zero latency (uncompressed)

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 70m using CAT6/6A cable

Supports ARC to transmitter

Two way IR and Full Duplex RS232

Receiver supports audio Extraction

Power over Cable (POC), Either TX or RX



Product Code	Description
SC05.8070	Transmitter & Receiver

## SC05.8070U

70m HDBaseT 2.0 Extender with USB



### Main Features

HDMI 2.0b, HDCP 2.2 compliant

Up to 4K/60Hz with 24bit RGB/YCBR 4:4:4

18Gbps Zero latency (uncompressed)

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 70m using CAT6/6A cable

USB 2.0

Two way IR and Full Duplex RS232

Receiver supports audio Extraction

Power over Cable (POC), Either TX or RX



Product Code	Description
SC05.8070U	Transmitter & Receiver

# HDMI Extenders

## SC05.8100

100m HDBaseT 2.0 Extender with ARC & LAN

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 100m using CAT6/6A cable

Supports ARC and LAN

Two way IR and Full Duplex RS232

Receiver supports audio Extraction

Power over Cable (POC), Either TX or RX



Product Code	Description
SC05.8100	Transmitter & Receiver

## SC05.8100U

100m HDBaseT 2.0 Extender with USB & ARC

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 100m using CAT6/6A cable

Supports USB 2.0, ARC and LAN

Two way IR and Full Duplex RS232

Receiver supports audio Extraction

Power over Cable (POC), Either TX or RX



Product Code	Description
SC05.8100U	Transmitter & Receiver

# HDMI Extenders

## SC05.8100VS

100m HDBaseT 3.0 Extender with eARC

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 100m using CAT6/6A cable

Supports ARC/eARC/SPDIF from TX to RX

Supports 1G LAN, 2 way IR, Full Duplex RS232 & USB

Receiver supports audio Extraction

Power over Cable (POC), Either TX or RX



Product Code	Description
SC05.8100VS	Transmitter & Receiver

## SC05.7150

150m HDBaseT 2.0 Extender with IR & RS232

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Up to 150m using CAT5e/6

Looped HDMI output on transmitter

Full Duplex RS232

Receiver supports audio Extraction

Power over Cable (PoC)



Product Code	Description
SC05.7150	Transmitter & Receiver



# HDMI Extenders

## SC05.9000F

Fibre Extender with Audio Breakout



### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Transmission distance 10,000 meters, single mode fibre

Looped HDMI output on transmitter

Full Duplex RS232

Receiver supports audio Extraction

Fibre modules included



Product Code	Description
SC05.9000F	Transmitter & Receiver + Fibre Modules

# HDMI Splitters

## SC02.2020

### 1 in 2 out HDMI Splitter

#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

Vesa format QSXGA/60Hz

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio



Product Code	Description
SC02.2020	1:2 HDMI Splitter

## SC02.2020A

### 1 in 2 out HDMI Splitter with Audio Breakout

#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

Downscaling from 4K to 1080P

Digital and Analogue Audio Breakout

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio



Product Code	Description
SC02.2020	1:2 HDMI Splitter with Audio Breakout

# HDMI Splitters

## SC02.2040

### 1 in 4 out HDMI Splitter



#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

Vesa format QSXGA/60Hz

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Product Code	Description
SC02.2040	1:4 HDMI Splitter

## SC02.2040A

### 1 in 4 out HDMI Splitter with Audio Breakout



#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

Downscaling from 4K to 1080P

Digital and Analogue Audio Breakout

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

Product Code	Description
SC02.2040A	1:4 HDMI Splitter with Audio Breakout

# HDMI Splitters

## SC02.6040

1 in 4 out HDMI Splitter over CAT6

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

HDMI Looped output

Analogue and digital audio breakout

Return IR for source control

Transmission distance is 4K/30m and 1080p/60m

Power over cable (POC)



Product Code	Description
SC02.6040	1:4 HDMI Splitter over CAT6

## SC02.5080

1 in 8 out HDMI Splitter over CAT6

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBR 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

HDMI Looped output

Analogue and digital audio breakout

Return IR for source control

Transmission distance is 4K/30m and 1080p/60m

Power over cable (POC)



Product Code	Description
SC02.5080	1:8 HDMI Splitter over CAT6

# HDMI Splitters



## SC06.4140

1 in 4 out HDMI (HDBaseT) Splitter over CAT6, 150m

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBr 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

HDMI Looped output

Analogue and digital audio breakout

Two way IR and full duplex RS232

Transmission distance is 4K/120m and 1080p/150m

Power over cable (POC)

Product Code	Description
SC06.4140	1:4 HDMI (HDBaseT) Splitter over CAT6 + RX's

## SC06.4180

1 in 8 out HDMI (HDBaseT) Splitter over CAT6, 150m

### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBr 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through  
LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio

HDMI Looped output

Analogue and digital audio breakout

Two way IR and full duplex RS232

Transmission distance is 4K/120m and 1080p/150m

Power over cable (POC)



Product Code	Description
SC06.4180	1:8 HDMI (HDBaseT) Splitter over CAT6 + RX's

# HDMI Switches

## SC03.1031

### 3 in 1 out HDMI Switch with Audio Breakout

#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

18G, 4K/60Hz with 24bit RGB/YCBr 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

Dolby True HD, Dolby Atmos and DTS-HD Master Audio

Control: Front panel buttons and IR remote



Product Code	Description
SC03.1031	3:1 HDMI Switch with Audio Breakout

## SC03.1041

### 4 in 1 out HDMI Switch with Audio Breakout

#### Main Features

HDMI 2.0b, HDCP 2.2 compliant

Up to 4K/60Hz with 24bit RGB/YCBr 4:4:4

HDR, HDR10, HDR10+ and Dolby Vision pass through

LPCM 5.1CH, Dolby True HD and DTS-HD Master Audio

Supports ARC and CEC

Analogue and digital audio breakout

Inserts analogue or digital audio on to HDMI outputs

Control: Front panel buttons and IR remote



Product Code	Description
SC03.1041	4:1 HDMI Switch with Audio Breakout

# HDMI Switches

## SC03.1041A

### 4 in 1 out HDMI Switch with ARC/eARC

#### Main Features

HDMI 2.0b, HDCP 2.2 compliant.

Up to 4K/60Hz with 24bit RGB/YCBr 4:4:4.

HDR, HDR10, HDR10+ and Dolby Vision pass through.

Allows HD Audio up to Dolby Atmos over TrueHD from any eARC/ARC AVR and Soundbar.

Supports auto/manual switching on all inputs.

Enhanced EDID management.

Control: Front panel buttons and IR remote.



Product Code	Description
SC03.1041A	4:1 HDMI Switch with ARC/eARC

## SC03.1401

### 4:1 Quad Multi-Viewer with Seamless Switching

#### Main Features

HDMI 1.3, HDCP 1.4 compliant

Resolution: 1080p/60Hz 4:4:4

12 Segment modes including full screen and quad split

Independent audio switching in split screen modes

Seamless switching between inputs

Control: Front panel buttons and IR remote



Product Code	Description
SC03.1401	4:1 HDMI Quad Multi-Viewer, Seamless Switching

# HDMI Switches

## SC03.4200

### 4:1 HDMI (HDBaseT) Switch

#### Main Features

Inputs: 2 x HDMI, 1 x Type-C, 1 x VGA

Outputs: 1 x HDMI and 1 x CAT6

HDMI 2.0b, HDCP 2.2 compliant

Up to 4K/60Hz with 24bit RGB/YCBR 4:4:4

CAT6 transmission distance: 4K/40m and 1080p/70m

Dolby True HD, Atmos and DTS-HD Master Audio

Analogue and digital audio breakout

Control: Front panel buttons, TCP/IP and IR remote



Product Code	Description
SC03.4200	4:1 HDMI (HDBaseT) Switch

## SC03.2400

### 2x4 HDMI Video Wall Processor, 4K/60Hz

#### Main Features

HDMI 2.0b, HDCP 2.2 Compliant

Up to 4K/60Hz with 24bit RGB/YCBCR 4:4:4

2x4/2x9 video wall with cascading up to 16x16 displays

Supports PIP within video wall

2 x inputs with 2 x independent looped outputs

Bezel correction and 180 degree rotation

RS232 cascading and TCP/IP control

ECE control display by PC GUI or Commands



Product Code	Description
SC03.2400	2x4 HDMI Video Wall Processor, 4K/60Hz



# HDMI Switches

## SC03.2900

2x9 HDMI Video Wall Processor, 4K/60Hz

### Main Features

HDMI 2.0b, HDCP 2.2 Compliant

Up to 4K/60Hz with 24bit RGB/YCBCR 4:4:4

2x4/2x9 video wall with cascading up to 16x16 displays

Supports PIP within video wall

2 x inputs with 2 x independent looped outputs

Bezel correction and 180 degree rotation

RS232 cascading and TCP/IP control

ECE control display by PC GUI or Commands



Product Code	Description
SC03.2900	2x9 HDMI Video Wall Processor, 4K/60Hz

## SC03.1601

16:1 HDMI Seamless Swicher with Multi-Viewer

### Main Features

HDMI 1.3, HDCP 1.4 Compliant

Video Resolutions up to 1920 x 1200@60Hz

Video scaling up and down

Supports multiple resolution outputs

Supported audio: PCM/AC3/DTS

Control: Front panel buttons, RS232 and IR remote



Product Code	Description
SC03.1601	16:1 HDMI Seamless Swicher with Multi-Viewer

# HDMI Matrix

## SC04.MX22

2 x 2 HDMI Matrix Switcher



### Main Features

Switches 2 x HDMI sources to 2 x HDMI displays  
HDMI 2.0b, HDCP 2.2 / 1x, DVI 1.0 Compliant  
18Gbps Bandwidth  
Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2  
Extracts Analogue PCM 2.0 and Digital Audio  
LPCM 2.0/2.1CH, Dolby 5.1, Dolby True HD, Dolby DD+,  
DTS  
5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1  
HDR  
Control: Front Panel and Infra-Red

Product Code	Description
SC04.MX22	2 x 2 HDMI Matrix Switcher

## SC04.MX42

4 x 2 HDMI Matrix Switcher



### Main Features

Switches 4 x HDMI sources to 2 x HDMI displays  
HDMI 2.0b, HDCP 2.2 / 1x  
18Gbps Bandwidth  
Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2  
Extracts Analogue PCM 2.0 and Digital Audio  
LPCM 2.0/2.1CH, Dolby 5.1, Dolby True HD, Dolby DD+,  
DTS 5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1  
ARC  
Down Scaling 4K → 1080p  
HDR10+, HLG  
Control: Front Panel and Infra-Red

Product Code	Description
SC04.MX42	4 x 2 HDMI Matrix Switcher

# HDMI Matrix

## SC04.MX44

4 x 4 HDMI Matrix Switch, 18G 4K/60Hz, HDR10

### Main Features

Switches 4 x HDMI sources to 4 x HDMI displays

HDMI 2.0b, HDCP 2.2 / 1x

18Gbps Bandwidth

Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2

LPCM 7.1CH, Dolby True HD, DTS-HD Master Audio

Down Scaling 4K → 1080p

HDR10, HDR10+, Dolby Vision

Control: Front Panel and Infra-Red



Product Code	Description
SC04.MX44	4 x 4 HDMI Matrix Switcher

## SC04.MX44+

4 x 4 HDMI Matrix Switch, 18G 4K/60Hz, HDR10

### Main Features

Switches 4 x HDMI sources to 4 x HDMI displays

HDMI 2.0b, HDCP 2.2 / 1x

18Gbps Bandwidth

Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2

LPCM 7.1CH, Dolby True HD, DTS-HD Master Audio

Down Scaling 4K → 1080p

Extracts analogue and digital audio

ARC (audio return path)

HDR10, HDR10+, Dolby Vision

Control: Front Panel, Infra-Red, RS232 and TCP/IP



Product Code	Description
SC04.MX44+	4 x 4 HDMI Matrix Switcher with Audio Breakout

# HDMI Matrix

## SC04.MX88

8 x 8 HDMI Matrix Switch, 18G 4K/60Hz, HDR10

### Main Features

Switches 8 x HDMI sources to 8 x HDMI displays

HDMI 2.0b, HDCP 2.2 / 1x

18Gbps Bandwidth

Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2

LPCM 7.1CH, Dolby True HD, DTS-HD Master Audio

Down Scaling 4K → 1080p

Extracts analogue and digital audio

ARC (audio return path)

HDR10, HDR10+, HLG, Dolby Vision

Control: Front Panel, Infra-Red, RS232 and TCP/IP



Product Code	Description
SC04.MX88	8 x 8 HDMI Matrix Switcher

## SC04.MX16

16 x 16 HDMI Matrix Switch, 18G 4K/60Hz, HDR10

### Main Features

Switches 16 x HDMI sources to 16 x HDMI displays

HDMI 2.0b, HDCP 2.2 / 1x

18Gbps Bandwidth

Supports 4K/60Hz, RGB/YCbCr 4:4:4/YCbCr 4:2:2

LPCM 7.1CH, Dolby True HD, DTS-HD Master Audio

Down Scaling 4K → 1080p

Extracts digital audio

ARC (audio return path)

HDR10, HDR10+, HLG, Dolby Vision

Control: Front Panel, Infra-Red, RS232 and TCP/IP



Product Code	Description
SC04.MX16	16 x 16 HDMI Matrix Switcher

# HDMI Matrix - CATXX

## SC40.MX44

4 x 4 HDMI Matrix Switch over CAT6, 150m  
Includes 4 x Receivers

### Main Features

4x HDMI inputs, 4x HDMI & HDBaseT mirrored outputs  
HDMI 2.0b, HDCP 2.2 compliant  
Up to 4K2K@60Hz with 24bit RGB/YCBCR 4:4:4  
HDR, HDR10, HDR10+, Dolby Vision pass through  
LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio  
Outputs can be downscaled individually 4K to 1080p  
Each output has digital and analog audio breakout  
Distance: 1080P up to 150m and 4K2K up to 120m  
Infrared return for source control  
24V POC on all HDBaseT ports  
Control: Panel buttons, IR, RS-232, TCP/IP and Web GUI



Product Code	Description
SC40.MX44	4 x 4 HDMI Matrix Switcher over CAT6, 150m

## SC40.MX88

8 x 8 HDMI Matrix over CAT6, 150m  
Includes 8 x Receivers

### Main Features

8 x HDMI inputs, 8 x HDMI & HDBaseT mirrored outputs  
HDMI 2.0b, HDCP 2.2 compliant  
Up to 4K2K@60Hz with 24bit RGB/YCBCR 4:4:4  
HDR, HDR10, HDR10+, Dolby Vision pass through  
LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio  
Outputs can be downscaled individually 4K to 1080p  
Each output has digital and analog audio breakout  
Distance: 1080P up to 150m and 4K2K up to 120m  
Infrared return for source control  
24V POC on all HDBaseT ports  
Control: Panel buttons, IR, RS-232, TCP/IP and Web GUI



Product Code	Description
SC40.MX88	8 x 8 HDMI Matrix Switcher over CAT6, 150m

# AV over IP

## SC08.4100

AV over IP, 1080P/60Hz

### Main Features

HDMI 1.4b, HDCP 1.4 compliant

Up to 1920x1200@60Hz with 24bit RGB 4:4:4

Uses H.264 encoding/decoding

Point-to-Point and Point-to-Multipoint

Transmitter has looped HDMI output

Compatible with standard Ethernet Gigabit Switches

Distance: 150m point to point over CAT5e/6

Routed IR return path for controlling source devices



Product Code	Description
SC08.4100-TX	Transmitter / Encoder
SC08.4100-RX	Receiver / Decoder

## SC08.6000

Video over IP, 1080P/60Hz, PoE

### Main Features

HDMI 1.4b, HDCP 1.4 compliant

Uses H.264 encoding/decoding

Point-to-Point, Point-to-Multipoint, Multipoint-to-Multipoint

Compatible with standard Ethernet Gigabit Switches

Transmitter has looped HDMI output

Distance: 120m Point-to-Point over CAT5e/6

Infra-Red input selection from receiver

Routed IR return path for controlling source devices

PoE (802.3af PD device)

Control: Front panel buttons, IR, Web Browser



Product Code	Description
SC08.6016	Transmitter / Encoder
SC08.6021	Receiver / Decoder

# AV over IP

## SC08.MX200

AV over IP with Video Wall Processing

### Main Features

HDMI 1.4b, HDCP 1.4 compliant  
 Up to 1080P/60Hz 4:4:4 and 1920x1200/60Hz  
 Seamless switching, matrix and video wall  
 Uses H.264 encoding and decoding  
 Analogue audio embedding and de-embedding  
 Supports RS232 full duplex  
 H.264 video preview  
 PoE (802.3af PD device)  
 Control: Front panel button, TCP/IP, Web GUI  
 Uses SC08.CTL100H Controller



Product Code	Description
SC08.MX200-TX	Transmitter / Encoder
SC08.MX200-RX	Receiver / Decoder
SC08.CTL100H	LAN Controller

## SC08.MX600

AV over IP with Video Wall Processing, USB

### Main Features

HDMI 1.4b, HDCP 1.4 compliant  
 Up to 1080P/60Hz 4:4:4 and 1920x1200/60Hz  
 Seamless switching, matrix and video wall  
 Uses H.264 encoding and decoding  
 Analogue audio embedding and de-embedding  
 Supports IR, USB and RS232 full duplex  
 H.264 video preview  
 PoE (802.3af PD device)  
 Control: Front panel button, TCP/IP, Web GUI  
 Uses SC08.CTL100H Controller



Product Code	Description
SC08.MX600-TX	Transmitter / Encoder
SC08.MX600-RX	Receiver / Decoder
SC08.CTL100H	LAN Controller

# AV over IP

## SC08.MX650

AV over IP with Video Wall Processing, 4K



### Main Features

HDMI 2.0b, HDCP 2.2 compliant

Up to 4K/60Hz 4:4:4

Unicast, Multicast, matrix and video wall

Uses JPEG2000 encoding and decoding

Analogue audio embedding and de-embedding

Supports IR, USB KVM, RS232 full duplex

H.264 video preview

PoE (802.3af PD device)

Control: Front panel button, TCP/IP, Web GUI

Uses SC08.CTL100A Controller

Product Code	Description
SC08.MX650-TX	Transmitter / Encoder
SC08.MX650-RX	Receiver / Decoder
SC08.CTL100A	LAN Controller

## SC08.MX3000

AV over IP Transceiver (SDVoE), with Video Wall and Multi screen

### Main Features

Blue River AVP2000 Transceiver

HDMI 2.0b, HDCP 2.2, 4K2K@60Hz (4:4:4) 18Gbps

HDR10, Dolby Vision, HLG

Zero-Frame latency and seamless switching

Video wall up to 9x9, multi-view up to 25 windows

USB 2.0 KVM (ATK), two-way IR and RS-232

HDMI Loop out

H.264 stream for video preview on portable devices

Support IR, RS-232, TCP/IP, Web GUI control

Standard POE supported (802.3at PD device)

Uses SC08.CTL100D Controller



Product Code	Description
SC08.MX3000	Transceiver
SC08.CTL100D	LAN Controller



# AV over IP

## SC08.CTL100A/H

### AV over IP LAN Controller

#### Main Features

MIPS 580MHz CPU, Linux OS

Web GUI for easily system setup and management

Intuitive 'drag & drop' source selection with video preview

Advanced signal management for AV, IR, RS-232 and

USB routing

2 x LAN ports to bridge existing LAN to video LAN

Control devices with IO with 5V, 12V level configurable

Easy to integrate with 3rd party control systems

Control API via IR, RS-232 and TCP/IP

POE (802.3af PD device) or local 12V power supply



Product Code	Description
SC08.CTL100A	Transmitter / Encoder
SC08.CTL100H	Receiver / Decoder
SC08.CTL100/KIT	Pre-Configured > Contoller/Router/Tablet

## SC08.CTL100D

### AV over IP LAN Controller

#### Main Features

Arm®Cortex®-A7 1GHz CPU, Linux OS

Web GUI for easily system setup and management

Intuitive 'drag & drop' source selection with video preview

Advanced signal management for AV, IR, RS-232 and

USB routing

2 x LAN ports to bridge existing LAN to video LAN

Control devices with IO with 5V, 12V level configurable

Easy to integrate with 3rd party control systems

Control API via IR, RS-232 and TCP/IP

POE (802.3af PD device) or local 12V power supply



Product Code	Description
SC08.CTL100D	LAN Controller

## SC90.1104

4-Channel IPTV Encoder, 1080P/60Hz



### Main Features

4-Channel HDMI to IP Encoder

Stack multiple units to create more channels

Uses H.264 encoding with embedded Hi-Linux System Technology

Supports resolutions up to 1080P/60Hz

Web Browser interface for easy setup

Create and edit program channel lists

User friendly infrared remote with TV learning buttons

Product Code	Description
SC90.1104	4-Channel IPTV encoder, 1080P/60Hz

## SC90.1116

16-Channel IPTV Encoder, 4K/60Hz



### Main Features

16-Channel HDMI to IP Encoder

Stack multiple units to create more channels

Uses H.265 encoding with embedded Hi-Linux System Technology

Supports resolutions up to 4K/60Hz

Web Browser interface for easy setup

Create and edit program channel lists

User friendly infrared remote with TV learning buttons

Product Code	Description
SC90.1116	16-Channel IPTV encoder, 4K/60Hz

# IPTV

## SC90.1000

16-Channel IPTV Encoder, 1080P/60Hz



### Main Features

4-Channel HDMI to IP Encoder

Stack multiple units to create more channels

Uses H.264 encoding with embedded Hi-Linux System Technology

Supports resolutions up to 1080P/60Hz

Web Browser interface for easy setup

Create and edit program channel lists

User friendly infrared remote with TV learning buttons

Product Code	Description
SC90.1000	16-Channel IPTV encoder, 1080P/60Hz

## SC50.1000

IPTV System for Commercial & Hospitality



### Main Features

Bespoke IPTV Gateway Server

Middleware and Administration Software

Customisable Portal: change icons, logos, text and more EPG. Electronic program guide

CAM Support (DVB CI)

Individual Software Modules: In house channel, local information, hotel amenities, films, games, weather, checkout and more...

Easy to use infrared remote with TV learning buttons

Product Code	Description
SC50.1000	IPTV System for commercial & hospitality