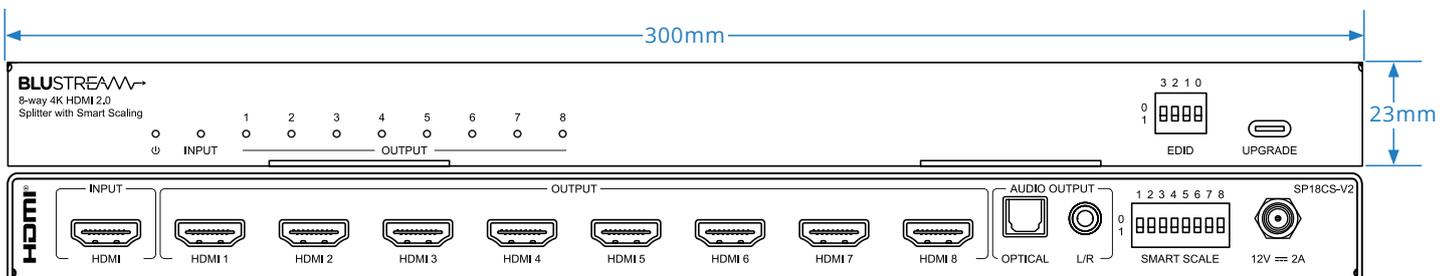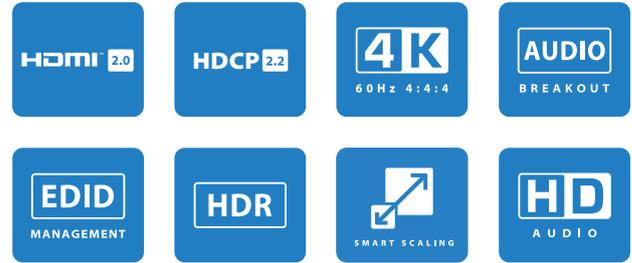# SP18CS-V2

BLUSTREAM

8-Way 4K HDMI 2.0 Splitter with Smart Scaling

Description

The SP18CS-V2 4K HDMI 2.0 splitter enables reliable distribution of a single HDMI source to up to eight simultaneous displays, while also providing both optical (S/PDIF) and analogue audio breakout for added system flexibility.

Supporting full HDMI 2.0 and HDCP 2.2 compliance, the unit delivers video resolutions up to 4K 60Hz 4:4:4, with intelligent automatic downscaling available on each output to ensure seamless compatibility across mixed-resolution display environments.

Key Features

- Features 1x HDMI input that is replicated to 8x HDMI outputs
- Supports HDMI 2.0 18Gbps specification including HDR
- Supports up to 4K UHD 60Hz 4:4:4
- Video down-conversion on outputs allowing a display only capable of supporting lower video resolutions (4K 60Hz 4:2:0 or 1080p) to receive 4K 60Hz 4:4:4 video content while still showing maximum original 4K UHD resolution on remaining video outputs
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K

- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications
- HDMI audio breakout to analogue L/R audio and optical digital outputs concurrently
- Advanced EDID management
- HDCP 2.2 Support

Specifications

- **Dimensions (W x D x H):** 300mm x 92mm x 23mm
- **Shipping Weight:** 1.3kg
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)

Connectivity

- **Video Input Connectors:** 1x HDMI Type A
- **Video Output Connectors:** 8x HDMI Type A
- **EDID:** 4-PIN DIP switch
- **Smart Scale:** 8-PIN DIP switch
- **Audio Output Connectors:** 1x Digital (Optical), 1x Analogue audio L/R (3.5mm stereo Jack)
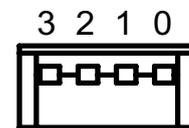- **Power Supply:** 12V/2A DC

EDID Dip switches

[DIP]=0000: HDMI 1080p@60Hz, Audio 2ch PCM (default)

[DIP]=0001: HDMI 1080p@60Hz, Audio 5.1ch PCM/DTS/DOLBY

[DIP]=0010: HDMI 1080p@60Hz, Audio 7.1ch PCM/DTS/DOLBY/HD

[DIP]=0011: HDMI 4K@60Hz 4:2:0 / 4K@30Hz 4:4:4, Audio 2ch PCM

[DIP]=0100: HDMI 4K@60Hz 4:2:0 / 4K@30Hz 4:4:4, Audio 5.1ch PCM/DTS/DOLBY

[DIP]=0101: HDMI 4K@60Hz 4:2:0 / 4K@30Hz 4:4:4, Audio 7.1ch PCM/DTS/DOLBY/HD

[DIP]=0110: HMDI 4K@60Hz 4:4:4. 8-bit, Audio 2ch PCM

[DIP]=0111: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 2ch 5.1ch PCM/DTS/DOLBY

[DIP]=1000: HDMI 4K@60Hz 4:4:4, 8-bit, Audio 7.1ch PCM/DTS/DOLBY/HD

[DIP]=1001: HDMI 4K@60Hz 4:4:4, 10-bit HDR, Audio 2ch PCM

[DIP]=1010: HDMI 4K@60Hz 4:4:4, 10-bit HDR, Audio 5.1ch PCM/DTS/DOLBY

[DIP]=1011: HDMI 4K@60Hz 4:4:4, 10-bit HDR, Audio 7.1ch PCM/DTS/DOLBY/HD

[DIP]=1100: DVI 1920x1080@60Hz, Audio None

[DIP]=1101: DVI 1920x1200@60Hz, Audio None

[DIP]=1110: EDID pass-through (Copy from Sink 1)

[DIP]=1111: EDID via API / Software Fallback EDID request (not set from Software): DVI 1280x1024, Audio None

EDID Dip switches

3 2 1 0

EDID

Box Contents

1 x SP18CS-V2
1 x 12V / 2A DC Power Supply
1 x Mounting Kit
1 x Quick Reference Card

Regulatory Compliance

CE UKCA FC RoHS Compliant

CAN ICES-003(B) / NMB-003(B)

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