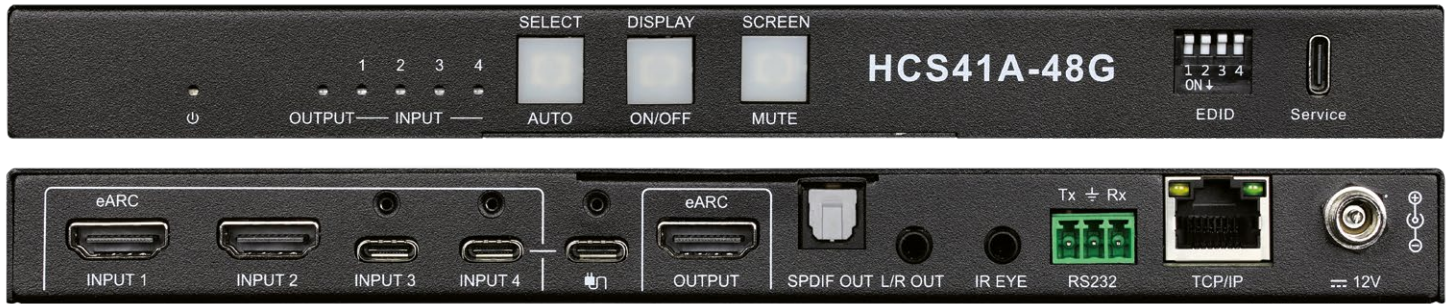


# HCS41A-48G

4x1 48Gbps HDMI & USB-C Switcher



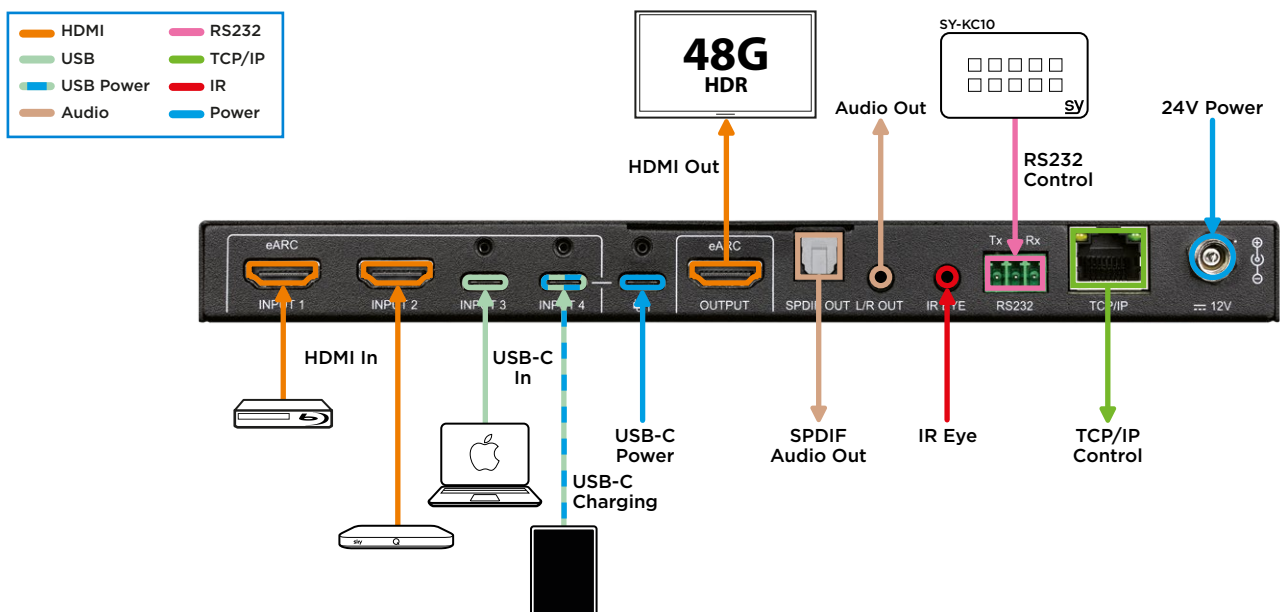
## HCS41A-48G

The HCS41A-48G is a high-performance 48Gbps HDMI 2.1a & USB-C 4-port switcher, built to deliver reliable, next-generation video and audio switching with a host of powerful features. It offers 2x HDMI and 2x USB-C inputs with a single HDMI output supporting resolutions up to 8K, giving you flexible connectivity for a wide range of modern source devices. Both HDMI Input 1 and the HDMI output support eARC, enabling the pass-through of high-quality and advanced audio formats directly to an AV receiver or audio system. The switcher also supports ALLM (Auto Low Latency Mode) and VRR (Variable Refresh Rate), making it suitable for high-refresh-rate monitors and large-scale gaming or streaming environments. These capabilities make the HCS41A-48G an ideal choice for professional AV deployments across commercial, entertainment, hospitality, and corporate installations.

## FEATURES

- 4x1 8K switcher
- 2x HDMI & 2x USB-C inputs
- HDMI 8K30 4:4:4 12bit HDR
- USB-C 8K30 4:2:2 HDR
- 8K60 4:4:4 12bit HDR supported with DSC (Display Stream Compression) enabled
- 100W USB-C device charging (input 4)
- Supports ALLM (Auto Low Latency Mode)
- Supports VRR (Variable Refresh Rate)
- eARC supported on HDMI 1
- HDCP 2.3 support
- EDID & HDCP advanced management
- Test Pattern Generator
- VKA (Video Keep Alive)
- Auto/Manual switching
- Audio de-embedding
- Configurable via Web GUI
- Control: Front Panel, RS232, IR, LAN

## CONNECTIVITY ILLUSTRATION



## SPECIFICATIONS

<b>PART NUMBER</b>	SY-HCS41A-48G		
<b>VIDEO RESOLUTIONS/FORMATS</b>	VESA and SMPTE 480p to 2160p HDMI ports: Up to 8K@60Hz 4:4:4, Dolby Vision, HDR+ (with Display Stream Compression) Up to 8K@30Hz, 4:4:4, Dolby Vision, HDR+ USB-C Input: Up to 8K@30Hz 4:2:2, Dolby Vision, HDR+		
<b>BANDWIDTH</b>	48Gbps		
<b>HDCP</b>	Compatible with all versions up to 2.3		
<b>HDR</b>	Dolby Vision, HDR+		
<b>INPUTS</b>	<b>Video</b> 2x HDMI 2.1 2x USB-C	<b>USB-C PD</b> 100W	
<b>OUTPUTS</b>	<b>Video</b> 1x HDMI 2.1	<b>Analogue Audio</b> 1x L/R Audio 3.5mm mini stereo audio jack	<b>Digital Audio</b> 1x Digital SPDIF Toslink
<b>AUDIO FORMATS</b>	PCM, Dolby Digital, DTS, DTS-HD		
<b>FREQUENCY RESPONSE</b>	20Hz to 20kHz, ±3dB		
<b>CONTROL</b>	RS232 IR LAN Front Panel		
<b>POWER SUPPLY</b>	12V DC 2A Barrel		
<b>POWER CONSUMPTION</b>	3.9W Max.		
<b>OPERATION TEMPERATURE</b>	-5 to +55°C		
<b>STORAGE TEMPERATURE</b>	-25 to +70°C		
<b>RELATIVE HUMIDITY</b>	10% to 90%, non-condensing		
<b>WEIGHT AND DIMENSIONS</b>	<b>Weight (net)</b> 0.460kg	<b>Size (WHD)</b> 220 x 21 x 91.65mm	
<b>WHAT'S IN THE BOX</b>	1x HCS41A-48G 1x IR Remote controller 1x IR Eye 1x 3-way Phoenix connectors 1x Mounting ears 1x 12V 2A Power Supply Unit 1x UK Plug adapter 1x EU Plug adapter 1x User manual		

## REGULATORY COMPLIANCE



SY-HCS41A-48G Data Sheet 01. Details subject to change with no prior notice. ©SY Electronics 2025