

CHRISTIE SPYDER-S SERIES

Rental and staging | Live events | Broadcast | Casinos | Sports venues | Government

Everything you need. Nothing you don't.

Redefine compositing and processing with unparalleled performance, flexibility, and image quality.

Flexible, modular design

Combine multiple nodes to create the exact system you need, simplify customization and scalability, and seamlessly integrate into any size multi-display environment.

Real-time control with no latency

Deliver unmatched image quality across all displays and configurations. Ultra-low latency ensures smooth, synchronized content, perfect for applications where you can't afford to have delays.

Advanced multi-screen windowing for better performance

Easily manage multiple windows, Picture-in-Picture, overlays, labels, and inputs simultaneously with minimal processing delay.

Dual windowing modes

Let you adapt the platform to your environment, no matter the scale, for either canvas or tiled compositing.

Versatility and scalability to fit your needs

The distributed architecture lets you create flexible set-ups that you can expand over time while still delivering the performance, reliability, and image quality you need.

Advanced connectivity

Supports the latest AV standards, including 8K video, HDR, and beyond, giving you a future-ready system designed to handle the evolving demands of digital content and immersive media experiences.

Powerful processing at every node

Ensure there's no single point of failure while maintaining zero latency across any size multi-screen setup. Efficient resource allocation means you never have to compromise image quality or performance.



CHRISTIE[®]

Technical specifications

Spyder-S compositor

SDI 12G 8 Ch	I/O Configurations	<ul style="list-style-type: none"> • 8 Ch Single-Link 3/6/12G • Software Defined 8x0, 0x8, 4x4
	Refresh Rates	• 24, 25, 30, 50, 60 and each /1.001
	Color space, Sampling, Bits	• YCbCr 4:2:2 10-bit, RGB 4:4:4 10-bit
	HDR/SDR	• See website for HDR detail
	Resolutions	• Up to 4K at 60 Hz
	Audio	<ul style="list-style-type: none"> • Up to 16x Channels 20/24-bit, 44/48 kHz, 125/1000us pacing • Up to 16x Channel volume control each output (optional)
SDI 12G 16 Ch	I/O Configurations	<ul style="list-style-type: none"> • 16 Input, 8 Ch Mixer/Keyer • 8 Ch Single-Link 3/6/12G • Software Defined 16x0, 8x0, 0x8, 4x4 (16x0 mode requires synchronous inputs)
	Refresh Rates	• 24, 25, 30, 48, 50, 60 and each /1.001
	Color space, Sampling, Bits	• YCbCr 4:2:2 10bit, RGB 4:4:4 10-bit
	HDR/SDR	• See website for HDR detail
	Resolutions	• Up to 4K at 60 Hz
	Audio	<ul style="list-style-type: none"> • Up to 16x channels 20/24-bit, 44/48 kHz, 125/1000us pacing • Up to 16x channel volume control each output (optional)
HDMI 2.0 4x4	I/O Configurations	<ul style="list-style-type: none"> • HDMI 2.0 • 4x4
	Refresh Rates	• 24, 25, 30, 50, 60 and each /1.001
	Color space, Sampling, Bits	• YCbCr 4:2:2/4:4:4, and RGB 4:4:4, 8,10-bit
	HDR/SDR	• See website for HDR detail
	Resolutions	• Up to 4K at 60 Hz and non-standard formats
	Audio	<ul style="list-style-type: none"> • Up to 8x channels 20/24-bit, 44/48 kHz, 125/1000us pacing • Up to 8x channel volume control each output (optional)
HDMI 2.1 4x4	I/O Configurations	<ul style="list-style-type: none"> • HDMI 2.1 • 2x2
	Refresh Rates	• 24, 25, 30, 50, 60 and each /1.001
	Color space, Sampling, Bits	• YCbCr 4:2:2/4:4:4, and RGB 4:4:4, 8,10-bit
	HDR/SDR	• See website for HDR detail
	Resolutions	<ul style="list-style-type: none"> • Up to 4096 x 2160 at 60 Hz (4 Ch) • or 7680 x 4320 at 30 Hz (2 Ch) • or 7680 x 4320 (1 Ch)
	Audio	<ul style="list-style-type: none"> • Up to 8x channels 20/24-bit, 44/48 kHz, 125/1000us pacing • Up to 8x channel volume control each output (optional)
DISPLAYPORT 1.4 4x4	I/O Configurations	<ul style="list-style-type: none"> • DisplayPort 1.4 • 4x4
	Refresh Rates	• 24, 25, 30, 50, 60 and each /1.001
	Color space, Sampling, Bits	• YCbCr 4:2:2/4:4:4, and RGB 4:4:4, 8,10-bit
	HDR/SDR	• See website for HDR detail
	Resolutions	<ul style="list-style-type: none"> • Up to 4096 x 2160 at 60 Hz (4 Ch) • or 7680 x 4320 at 30 Hz (2 Ch) • or 7680 x 4320 (1 Ch)
	Audio	<ul style="list-style-type: none"> • Up to 8x channels 20/24-bit, 44/48 kHz, 125/1000us pacing • Up to 8x channel volume control each output (optional)
All Models	Network Interfaces	<ul style="list-style-type: none"> • 2x QSFP28 100 Gb Ethernet • 1x SFP+/RJ45 1 Gb Ethernet (control) • 2x SFP28 1/10/25 Gb Ethernet (optional)
	Synchronization Options	<ul style="list-style-type: none"> • ST-2059 PTP • Optional VESA Stereo Sync Input Connector (DP Only) • Burst/Tri-Level (BBTL) in or out
	Dimensions w x d x h	• 18.75 x 8.24 x 1.73" (476.25 x 209.29 x 43.94mm)
	Weight	• Up to 8.5lbs (3.85kg)
	Power	• 110v-240V, 220W typical, up to 240W max
	Environment	<ul style="list-style-type: none"> • Safe Operating Temperature Range: 0 to 40 C (32 to 104 F) • Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F) • Operating Relative Humidity: 10-90% non-condensing • Operating Altitude: <3,000m (<10,000 feet)

For the most current specification information, please visit christiedigital.com/spyder-s

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