

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 8Ch	I/O Configurations	<ul style="list-style-type: none"> • Single-Link 1.5/3/6/12G • 4x4 (Release 6.0)
	Refresh Rates	• 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	Color Space, Sampling, Bits	• YCbCr, 4:2:2/4:4:4, 10-bit and RGB, 4:4:4, 10-bit
	HDR	• HLG
	Resolutions	• Up to 4K at 60 Hz
	Audio *	• Up to 16x Channels 20/24-bit, 44/48 kHz
SFP 8Ch *	I/O Configurations	<ul style="list-style-type: none"> • SDI Single-Link 1.5/3/6/12G and HDMI 2.0 • 4x4 (First Release)
	Refresh Rates	• 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	Color Space, Sampling, Bits	• YCbCr, 4:2:2/4:4:4, 10-bit and RGB, 4:4:4, 10-bit
	HDR	• HLG
	Resolutions	• Up to 4K at 60 Hz
	Audio *	• Up to 16x Channels 20/24-bit, 44/48 kHz
HDMI 2.0 4x4	I/O Configurations	<ul style="list-style-type: none"> • HDMI 2.0 • 4x4
	Refresh Rates	• 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	Color Space, Sampling, Bits	• YCbCr, 4:2:2/4:4:4, 8/10-bit and RGB, 4:4:4, 8/10-bit
	HDR	• HLG
	Resolutions	<ul style="list-style-type: none"> • Up to 4K at 60 Hz • or 7680 x 1080 at 60 Hz *
	Audio *	• Up to 8x channels 20/24-bit, 44/48 kHz
HDMI 2.1 2x2 *	KVM *	• USB 2.0 Ports for HID connectivity: 4 host, 4 device ports
	I/O Configurations	<ul style="list-style-type: none"> • HDMI 2.1 • 2x2
	Refresh Rates	• 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	Color Space, Sampling, Bits	• YCbCr, 4:2:2/4:4:4, 8/10-bit and RGB, 4:4:4, 8/10-bit
	HDR	• HLG
	Resolutions	<ul style="list-style-type: none"> • Up to 7680 x 2160 at 60 Hz • or 7680 x 4320 at 30 Hz
DISPLAYPORT 1.4 4x4 *	Audio *	• Up to 8x channels 20/24-bit, 44/48 kHz
	KVM *	• USB 2.0 Ports for HID connectivity: 2 host, 2 device ports
	I/O Configurations	<ul style="list-style-type: none"> • DisplayPort 1.4 • 4x4
	Refresh Rates	• 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	Color Space, Sampling, Bits	• YCbCr, 4:2:2/4:4:4, 8/10-bit and RGB, 4:4:4, 8/10-bit
	HDR	• HLG
All Models	Resolutions	<ul style="list-style-type: none"> • Up to 4K at 60 Hz (4 Ch) • or 7680 x 1080 at 60 Hz (4 Ch) • or 7680 x 2160 (4:2:2, 10-bit) at 60 Hz (4 Ch) *** • or 7680 x 4320 at 30 Hz (2 Ch) **
	Audio *	• Up to 8x channels 20/24-bit, 44/48 kHz
	KVM *	• USB 2.0 Ports for HID connectivity: 4 host, 4 device ports
	Network Interfaces	<ul style="list-style-type: none"> • 4x QSFP28 for system link (per node) • 1x RJ45 1 Gb Ethernet for control (per node)
	Synchronization Options	• 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	<ul style="list-style-type: none"> • 110V-240V, 220W typical, up to 240W max • Redundant Power Supplies
	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)

* Future Release

** Future 2x2 Configuration

*** Max Sampling and Bits Supported Per Interface Standard

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

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