Christie Spyder X80

Auditoriums	Corporate lobbies	Post-production
Broadcast studios	Houses of worship	Rental and staging
Conference rooms	Live events	Sports venues
Control rooms	Media centers	

80 megapixel, true 4K@60Hz performance across multiple displays

Christie®, the undisputed leader in multi-window processing, is again setting the standard with the introduction of the all-new processor, the Christie Spyder X80.

Create spectacular experiences with unprecedented 80 megapixel processing power in true 4K@60Hz across multiple displays. As the next-generation Spyder – the tool trusted by professionals for the most demanding applications – the Christie Spyder X80 enables the creation of spectacular, never-before-seen visual experiences.

Featuring processing and connectivity capabilities that surpass anything else in the market, the Spyder X80 is the most powerful multi-screen windowing processor and content management solution available. Engineered with direct feedback from users, the Spyder X80 is built specifically for applications requiring a massive volume of pixels from source to display with the highest level of performance, flexibility and functionality possible.

CHRISTIE®

Christie Spyder X80

Technical specifications

Inputs	number	• Up to 6 input modules each with 4 inputs • User may define the amount of modules required from 1 to 6
	signals	• Each input supports 3 connections • DisplayPort 1.2 • HDMI 2.0 • 12G-SDI
	resolutions	• Horizontal up to 4096 and vertical up to 2400 within pixel clock
	scan rates	• Up to 120Hz dependant on pixel clock rate maximum
Outputs	number	• Up to 4 output cards each with 4 outputs • User may define the amount of modules required from 1 to 4
	signals	• Each output supports 3 connections • DisplayPort 1.2 • HDMI 2.0 • 12G-SDI
	resolutions	• Horizontal up to 4096 and vertical up to 2400 within pixel clock
	scan rates	• Up to 120Hz dependant on pixel clock rate maximum
	bit depth	• Support for 8/10/12
Control and networking		• RS-232 in/out • Ethernet (10/100/1000)
Accessories	standard	• User manual (USB drive) • 4 AC power cords • Christie Spyder Studio software • Rack hardware
Enhanced features		• Independent aspect ratio and frame rate setup • Overlays • Transitions • Aspect ratio conversions • Integrated source monitoring • Output rotation (portrait) • Optional stereoscopic support • HDCP support • 2D and 3D capabilities
Power requirements (fully loaded)	operating voltage	• 90-264 VAC @ 50/60Hz
	operating current	• 14A max
	power	• 1680W
Physical	space required	• 6RU
	size	• (LxWxH): 23.54 x 17.36 x 10.28" (598 x 441 x 261mm)
	shipping size	• (LxWxH): 30.94 x 23 x 16.3" (786 x 584 x 414mm)
	weight	• 79.75lbs (36.17kg) – fully loaded
	shipping weight	• 109.1lbs (49.49kg) – fully loaded
Operating environment		• Temperature: 40-95°F (5-35°C) • Humidity: 20-80% non-condensing
Warranty		• Two years parts and labor • Contact an authorized Christie representative for full details of our limited warranty

Key features:

- 80 megapixel processing power – Unmatched processing in true 4K@60Hz performance across multiple displays

- Flexible workflows – Seamlessly manage multiple SD, HD, 4K and stereoscopic workflows simultaneously for total flexibility

- Extremely-low latency – Universal matrix switching with powerful, built-in, cross-point hardware for fast switching and maximum input/output routing capability with no additional signal latency

- Flexible and scalable I/O architecture – Customizable I/O configurations of up to 24 inputs and 16 outputs and multiple connections, including HDMI 2.0, DisplayPort 1.2 and 12G HDSDI

- Single channel 4K support on every channel – Reduces the need for additional channels and cables

- Intelligent EDID – Easy management of EDID across the entire system to ensure adaptability across multiple sources and displays

- HDCP 2.2 support – Compliance for the latest in digital copy protection

- Christie Spyder Studio client software (GUI) – From simple presets to complex frame-accurate timelines, Spyder Studio has the flexibility and functionality required for the most demanding live environments

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