

# Christie Spyder X80

Auditoriums  
Broadcast studios  
Conference rooms  
Control rooms

Corporate lobbies  
Houses of worship  
Live events  
Media centers

Post-production  
Rental and staging  
Sports venues



## 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		
<b>Inputs</b>	number	<ul style="list-style-type: none"> <li>Up to 6 input modules each with 4 inputs</li> <li>User may define the amount of modules required from 1 to 6</li> </ul>
	signals	<ul style="list-style-type: none"> <li>Each input supports 3 connections</li> <li>DisplayPort 1.2 • HDMI 2.0 • 12G-SDI</li> </ul>
	resolutions	<ul style="list-style-type: none"> <li>Horizontal up to 4096 and vertical up to 2400 within pixel clock</li> </ul>
	scan rates	<ul style="list-style-type: none"> <li>Up to 120Hz dependant on pixel clock rate maximum</li> </ul>
<b>Outputs</b>	number	<ul style="list-style-type: none"> <li>Up to 4 output cards each with 4 outputs</li> <li>User may define the amount of modules required from 1 to 4</li> </ul>
	signals	<ul style="list-style-type: none"> <li>Each output supports 3 connections</li> <li>DisplayPort 1.2 • HDMI 2.0 • 12G-SDI</li> </ul>
	resolutions	<ul style="list-style-type: none"> <li>Horizontal up to 4096 and vertical up to 2400 within pixel clock</li> </ul>
	scan rates	<ul style="list-style-type: none"> <li>Up to 120Hz dependant on pixel clock rate maximum</li> </ul>
	bit depth	<ul style="list-style-type: none"> <li>Support for 8/10/12</li> </ul>
<b>Control and networking</b>		<ul style="list-style-type: none"> <li>RS-232 in/out</li> <li>Ethernet (10/100/1000)</li> </ul>
<b>Accessories</b>	standard	<ul style="list-style-type: none"> <li>User manual (USB drive) • 4 AC power cords</li> <li>Christie Spyder Studio software • Rack hardware</li> </ul>
<b>Enhanced features</b>		<ul style="list-style-type: none"> <li>Independent aspect ratio and frame rate setup • Overlays</li> <li>Transitions • Aspect ratio conversions • Integrated source monitoring</li> <li>Output rotation (portrait) • Optional stereoscopic support</li> <li>HDCP support • 2D and 3D capabilities</li> </ul>
<b>Power requirements (fully loaded)</b>	operating voltage	<ul style="list-style-type: none"> <li>90-264 VAC @ 50/60Hz</li> </ul>
	operating current	<ul style="list-style-type: none"> <li>14A max</li> </ul>
	power	<ul style="list-style-type: none"> <li>1680W</li> </ul>
<b>Physical</b>	space required	<ul style="list-style-type: none"> <li>6RU</li> </ul>
	size	<ul style="list-style-type: none"> <li>(LxWxH): 23.54 x 17.36 x 10.28" (598 x 441 x 261mm)</li> </ul>
	shipping size	<ul style="list-style-type: none"> <li>(LxWxH): 30.94 x 23 x 16.3" (786 x 584 x 414mm)</li> </ul>
	weight	<ul style="list-style-type: none"> <li>79.75lbs (36.17kg) - fully loaded</li> </ul>
	shipping weight	<ul style="list-style-type: none"> <li>109.1lbs (49.49kg) - fully loaded</li> </ul>
<b>Operating environment</b>		<ul style="list-style-type: none"> <li>Temperature: 40-95°F (5-35°C)</li> <li>Humidity: 20-80% non-condensing</li> </ul>
<b>Warranty</b>		<ul style="list-style-type: none"> <li>Two years parts and labor</li> <li>Contact an authorized Christie representative for full details of our limited warranty</li> </ul>

## 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 HDS DI
- 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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ISO 9001  
ISO 14001  
Kitchener, Ontario

For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)