



# CHRISTIE DS+ Series

*Bright, Detailed Images and Plenty of Power in a Compact Size*

## Uses

Conference rooms  
Rental/Staging  
Houses of Worship  
Boardrooms  
Training rooms  
Tradeshows

The Christie DS+ Series offers exceptional image quality and detail in a choice of two compact packages for pure presentation power. The smallest, high-performance 3-chip DLP™ product on the market, the Christie DS+ Series offers 6,000 or 9,000 ANSI lumens and the pinnacle of image color accuracy and adjustability – in an easy to use, flexible format.

The Christie DS+ Series features SXGA+ resolution and a variable contrast ratio of 1600-2000:1 for brilliantly crisp, detailed images. With next generation DLP™ technology, high-quality optics and 10-bit image processing the Christie DS+ Series is ideal for applications that require high resolution and exceptional image quality for big, bright displays.

Best price-performance on the market, most reliability, lowest cost of ownership, best warranties available and renowned customer service all add up to peace of mind with Christie.

The Christie DS+ Series – easy to install, easy to use, easy to maintain.

# DS+ Series



Medium brightness and compact, the Christie DS+ Series is ideal for applications where image color and clarity are paramount. When images need to speak volumes, these projectors deliver high brightness, excellent color and brightness uniformity, high reliability and low maintenance.

NASA's Jet Propulsion Laboratory (JPL) has installed two Christie DLP™ projectors as part of a recent renovation of the Laboratory's Executive Conference Room. The room features state-of-the-art technology and is the main setting for meetings and conferences by JPL's top decision makers and staff. The Executive Conference Room represents another successful installation at JPL for Christie. Last year, JPL installed Christie DLP™ projectors in the von Karman Auditorium in Pasadena, California, to display mission images in briefings with members of the international press.

## Display Technology

Featuring high-quality DLP™ technology, the Christie DS+ Series has proven to be the world's favorite 3-chip, DLP™ projector. Highly reliable, DLP™ technology delivers high brightness and unsurpassed color, brightness uniformity and control capabilities. As well, this proven digital technology is low maintenance.

## Image Quality

The 3-chip SXGA+ engines are driven by Xenon illumination and deliver superior image quality, repeatability of colors and the ability to edge-blend and tile images – whether multiple projectors on a single screen, or multiple screen displays.

## Image Processing

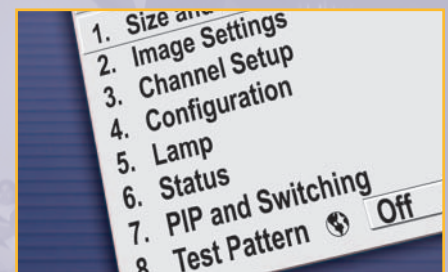
With 10-bit image processing, the Christie DS+ Series offers high bandwidth signal processing. The high bandwidth supports additional functionality such as Picture in Picture and seamless switching between sources. For added ease of blending, Digital Black Level Adjustment lets the user match the blended (gutter) black levels with the non-blended black levels.

## Ease of Use

A user-friendly Graphic User Interface makes operation and set-up of the entire Christie DS+ Series uncomplicated. The GUI enables full and easy control of the projector. Multiple control options let the user choose what's best for their application – built-in, IR and wired remote keypad; RS-422 or RS-232 control; or through ChristieNET™ via the Ethernet port. Optional ChristieNET™ WAVE and ChristieNET™ WAVE-DVD provide wireless presentation power for data, video and streaming video. Motorized lens functions provide power focus, zoom, horizontal and vertical offset – all at the touch of a button. Auto set-up automatically recognizes sources and sets up correct brightness, contrast and position.

## Serviceability

Operation and maintenance of the Christie DS+ Series is easy as well. Field-alignable DMDs and a cleanable optical engine put full control in the hands of the user. Replacement lamp costs are low and Christie offers the best warranties on the market – 2 years parts and labor (excluding light engine).





The Christie DS+ Series features the widest source compatibility and has built-in Ethernet networking for full compatibility with ChristieNET™, ChristieNET™ WAVE and ChristieNET™ WAVE-DVD for total projector monitoring, control and wireless image capabilities.



With either 1kW or 1.2kW, the Christie DS+ Series features user-replaceable, pre-aligned Xenon lamp modules with adjustable lamp power for lower brightness. The stable color temperature over the course of the lamp life and the power range provides the best lamp technology for color matching across multiple screens.



The Christie DS+ Series features an extremely high contrast ratio of 1600-2000:1 full field; 450-600:1 ANSI lumens – with the motorized IRIS, users can adjust for high contrast ratio and better black levels, for any given application.

## INPUTS

The Christie DS+ Series offers installation flexibility and compatibility with any data, video or HDTV source in use today, from VGA to QXGA. The multi-standard video decoder and horizontal and vertical scaling of all inputs gives you the ability to connect to virtually anything.

RGBHV/YPbPr via 5 BNC

DVI-I for digital/analog RGB/YPbPr (HDCP)

One composite video, one S-Video

Two optional slots for analog/digital modules

3 RS-232 ports and 1 RS-422 port

On-board ChristieNET™ connectivity (RJ45)

Built-in backlit keypad and IR remote control

## Accessories

### STANDARD:

- IR keypad (w/batteries)
- Line cord
- User manual

### OPTIONAL:

- Fixed lenses: 0.73:1, 1.2:1
- Zoom lenses: 1.45-1.8:1, 1.8-2.5:1, 2.5-4.5:1, 4.5-7.3:1
- ChristieTWIST™ Image Warping Module with enhanced edge-blending
- Dual SD/HD-SDI, DVI and legacy interface modules
- ChristieNET™ WAVE
- ChristieNET™ WAVE-DVD
- Wire remote control and Two Way Controller
- Remote IR sensor
- Ethernet, RS-232, RS-422 cables
- Service manual
- KoRE™ 10-bit librarian
- Lens adapter (for competitive lenses)

An optional suite of specifically-designed SXGA+ lenses includes both fixed and zoom lenses ranging from 0.73:1 through to a 4.5-7.3:1 zoom and features a durable lens mount with motorized horizontal and vertical offset. With built-in light shutter, internal variable contrast aperture and quick lens insertion, the Christie DS+ Series is easy to work with.

## Competitive Advantages

- **Smallest, high-performance 3-chip DLP™ product** – offers the pinnacle of image color accuracy and adjustability
- **Xenon lamp system** – provides repeatability of photo-realistic colors and ability to accurately color-match images
- **True 10-bit processing** – offers high-bandwidth signal processing
- **Highest Contrast** – at 1600-2000:1 (via internal adjustable aperture)



# Christie DS+ Series

## Specifications



The Dual SD/HD-SDI Input Module is an optional module that allows for the connection of both a Standard Definition and a High Definition Serial Digital Input, each with their own loop-through.



Direct key access to the most-used major functions and auto set-up for automatic set-up of sources with correct brightness, contrast and position – means operation and set-up of the Christie DS+ Series are intuitive.



	DS+5K	DS+8K
<b>BRIGHTNESS</b>	<ul style="list-style-type: none"> <li>6500 ANSI lumens @ 208 VAC (± 10%), 5500 ANSI lumens @ 110 VAC (± 10%)</li> <li>90% brightness uniformity (corrected)</li> </ul>	<ul style="list-style-type: none"> <li>8500 ANSI lumens typical (± 10%)</li> <li>90% brightness uniformity</li> </ul>
<b>CONTRAST</b>	<ul style="list-style-type: none"> <li>1600-2000:1 full field</li> </ul>	<ul style="list-style-type: none"> <li>1600-2000:1 full field</li> </ul>
<b>LAMP</b>	<ul style="list-style-type: none"> <li>1.0kW CERMAX® Xenon pre-aligned lamp module</li> <li>1000 hours (typical) lifetime</li> <li>LiteLOC™ light output control</li> </ul>	<ul style="list-style-type: none"> <li>1.2kW CERMAX® Xenon pre-aligned lamp module</li> <li>1000 hours (typical) lifetime</li> <li>LiteLOC™ light output control</li> </ul>
<b>POWER</b>	<ul style="list-style-type: none"> <li>100 VAC to 240 VAC ± 10% @ 50/60 Hz</li> <li>Power consumption: 1600W maximum</li> <li>Thermal dissipation: 5460 BTU/hr</li> <li>Operating current: 12A @ 100V/ 8A @ 200V</li> </ul>	<ul style="list-style-type: none"> <li>200 VAC to 240 VAC ± 10% @ 50/60 Hz</li> <li>Power consumption: 2000W</li> <li>Thermal dissipation: 6825 BTU/hr</li> <li>Operating current: 10A @ 200V</li> </ul>
<b>DIMENSIONS (EXCLUDING LENS)</b>	<ul style="list-style-type: none"> <li>Weight: 72 lb (32.1 kg)</li> <li>Shipping weight: 115 lb (52 kg)</li> <li>Size (L x W x H): 22.3 x 26 x 12.3"</li> <li>(566 x 660 x 313mm)</li> </ul>	<ul style="list-style-type: none"> <li>Weight: 72 lb (32.1 kg)</li> <li>Shipping weight: 115 lb (52 kg)</li> <li>Size (L x W x H): 22.3 x 26 x 12.3"</li> <li>(566 x 660 x 313mm)</li> </ul>
<b>REGULATORY APPROVALS</b>	<ul style="list-style-type: none"> <li>UL/CSA/IEC 60950 (3rd edition)</li> <li>FCC Class A, CE, CCC</li> <li>This product conforms to all relevant European directives, standards, safety, health and environmental concerns</li> </ul>	<ul style="list-style-type: none"> <li>UL/CSA/IEC 60950 (3rd edition)</li> <li>FCC Class A, CE, CCC</li> <li>This product conforms to all relevant European directives, standards, safety, health and environmental concerns</li> </ul>



*Ideally suited for mid-sized conference rooms where bright, bold images are needed.*



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

### Corporate Offices

USA  
10550 Camden Drive  
Cypress, CA 90630  
PH: 714-236-8610  
FX: 714-503-3385  
Toll free: 866-880-4462 (NA only)  
[sales-us@christiedigital.com](mailto:sales-us@christiedigital.com)

CANADA  
809 Wellington Street North  
Kitchener, Ontario N2G 4Y7  
PH: 519-744-8005  
FX: 519-749-3136  
Toll free: 800-265-2171 (NA only)  
[sales-canada@christiedigital.com](mailto:sales-canada@christiedigital.com)

### Worldwide Offices

UNITED KINGDOM  
PH: +44 118 977 8000  
FX: +44 118 977 8100  
[sales-europe@christiedigital.com](mailto:sales-europe@christiedigital.com)

GERMANY  
PH: +49 2161 664540  
FX: +49 2161 664546  
[sales-europe@christiedigital.com](mailto:sales-europe@christiedigital.com)

FRANCE  
PH: +33 (0) 1 47 48 28 07  
FX: +33 (0) 1 47 48 26 06  
[sales-france@christiedigital.com](mailto:sales-france@christiedigital.com)

HUNGARY  
PH: +36 (0)1 47 48 100  
FX: +36 (0)1 47 48 452

SINGAPORE  
PH: +65 6877 8737  
FX: +65 6877 8747  
[sales-singapore@christiedigital.com](mailto:sales-singapore@christiedigital.com)

SHANGHAI  
PH: +86 21 6278 7708  
FX: +86 21 6270 5816  
[sales-china@christiedigital.com](mailto:sales-china@christiedigital.com)

BEIJING  
PH: +86 10 6561 0240  
FX: +86 10 6561 0546  
[sales-china@christiedigital.com](mailto:sales-china@christiedigital.com)

JAPAN  
PH: +81 3 3599 7481  
FX: +81 3 3599 7482  
[sales-japan@christiedigital.com](mailto:sales-japan@christiedigital.com)

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Performance specifications are typical. Due to constant research, specifications are subject to change without notice. Printed in Canada. 1335

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Certificate # 601

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