



CHRISTIE HD Series

Native HD Resolution, High Quality DLP® Images

Uses

- Houses of Worship
- Post-production
- Home cinema
- Conference rooms
- Boardrooms
- Training rooms

The Christie HD Series offers high resolution, crisp images from 10-bit processing combined with an HD platform – the next level of unparalleled presentation power.

The first-ever native 1920 x 1080 resolution 3-chip DLP® series of projectors has five new models that range from 4000 to 12,000 ANSI lumens, utilizing Xenon illumination – the pinnacle of image color accuracy and adjustability in easy to use, flexible packages.

The Christie HD Series features 1920 x 1080 native resolution and a variable contrast ratio of 1500-2000:1 for crisp, detailed images. Next generation DLP® technology, high-quality optics and proven 10-bit image processing deliver exceptional image quality. The addition of a yellow notch filter creates greater separation between the primary colors, enhancing the Christie HD5Kc/HD8Kc models with richer color depth for a film-like experience.

The Christie HD Series features high-quality lenses specifically designed to increase image sharpness and provide manual contrast adjustment for impeccable control over your images. The Christie HD5K comes with standard handles; the Christie HD8K comes with a standard stacking cage; the Christie Roadster HD12K maintains all the purpose-built characteristics of a Roadster, now with HD capability. All five models feature standard built-in edge-blending, two HD input channels that will also allow 4:4:4 signals, digital dark level adjustment, ILS™ on zoom and focus, and DMX 512 communication capabilities.

The Christie HD Series – the brightest, clearest HD imaging available in the world.

HD Series



The Christie HD Series offers a native HD format combined with high resolution, high brightness and a compact package – for applications where image quality, color and clarity are paramount. When the images need to speak volumes, the Christie HD Series delivers high brightness, excellent color and detailed displays.

Fellowship Community Church Grapevine, TX

Whether it is your first time at Fellowship, or you've been attending for years, you never know what to expect during their hour long service. Featuring two Christie Roadie 25Ks and two Christie Roadster S+16Ks, Fellowship Church creates a visually inspiring experience whether during regular Sunday services or for a special Christmas Pageant.

Display Technology

The Christie HD Series is the only series of projectors to provide native 1920 x 1080 resolution in 3-chip DLP® image quality. Low maintenance, highly reliable DLP® technology delivers high brightness and unsurpassed color, brightness uniformity and control capabilities in a native widescreen format.

Image Quality

The 3-chip 1080 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. The addition of a yellow notch filter in the Christie HD5Kc/HD8Kc models allows greater separation between primary colors for richer color depth and a film-like color experience.

Proven 10-bit Native HD Processing

Utilizing the proven 10-bit processing that has been used in our 2K resolution products, the Christie HD Series of projectors continues to exceed the customer expectations in image quality and reproduction. High bandwidth supports additional functionality such as Picture in Picture and seamless switching between sources.

Designed for Ease of Use and Maintenance

High performance optics with a wide range of lenses allows for use in multiple types of installations. The simple to use menus, simple lamp and filter access as well as the confidence in reliability instilled by field-proven power and processing components are all designed to give the user peace of mind.

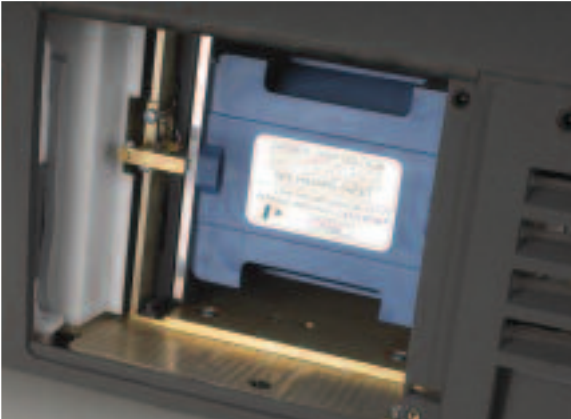
High Performance

Christie-designed electronics with HD 4:4:4 capabilities and Digital Black Level control that can be used with the built-in edge blending are key strengths that this product family brings with it. Additional features include seamless switching, Picture in Picture, LiteLOC™ and the ILS™ (Intelligent Lens System) for zoom and focus. The built-in RJ45 networking port also allow the 1080 HD family to utilize ChristieNET™ for monitoring and control to give the user complete asset management. The video processing, with artifact-free video and excellent color and contrast, will produce unparalleled images.

Serviceability

Operation and maintenance of the Christie HD 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).





With 1kW, 1.2kW or 2.0kW of power, the Christie HD 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 HD5K comes standard with handles; the Christie HD8K comes standard with a stacking cage; both handles and cage are available as options on all HD Series models.

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

Accessories

STANDARD:

- IR keypad (w/batteries)
- Line cord
- User manual
- Dual SD/HD-SDI input module

OPTIONAL:

- Fixed lenses (HD): 0.67:1, 1.15:1
- Zoom lenses (HD): 1.28-1.84:1, 1.84-2.58:1, 2.58-4.14:1, 4.14-6.7:1
- Fixed lenses (SXGA+): 0.73:1, 1.24:1
- Zoom lenses (SXGA+): 1.5-2.0:1, 2.0-2.8:1, 2.8-4.5:1, 4.5-7.3:1
- ChristieTWIST™ Image Warping Module with enhanced edge-blending
- Dual SD/HD-SDI input module
- ChristieNET™ WAVE
- DVI input module
- Wire remote control
- Remote IR sensor
- Ethernet, RS-232, RS-422 cables
- Service manual
- KoRE™ 10-bit librarian
- Lens adapter (for competitive lenses)
- Stacking cage
- Handles

INPUTS

The Christie HD 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

An optional suite of specifically-designed High Definition lenses includes both fixed and zoom lenses ranging from 0.67:1 through to 4.14-6.7:1 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 HD Series is easy to work with.

Competitive Advantages

- **True HD native resolution (1920 x 1080)**
- **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 1500-2000:1 (via internal adjustable aperture)



Christie HD Series Specifications

 <p>HD5K</p>	 <p>HD8K</p>	 <p>Roadster HD12K</p>
<p>BRIGHTNESS</p> <ul style="list-style-type: none"> • 5000 ANSI lumens (± 10%) • 90% brightness uniformity <p>CONTRAST</p> <ul style="list-style-type: none"> • 1500-2000:1 full field <p>LAMP</p> <ul style="list-style-type: none"> • 1kW CERMAX® Xenon pre-aligned lamp module • 1500 hours typical lamp lifetime • LiteLOC™ light output control <p>POWER</p> <ul style="list-style-type: none"> • 100 VAC to 240 VAC ± 10% @ 50/60 Hz • Power consumption: 1600W maximum • Thermal dissipation: 5460 BTU/hr • Operating current: 12A @ 100V/8A @ 200V <p>DIMS</p> <ul style="list-style-type: none"> • Weight: 75 lb (34 kg) excluding lens • Shipping weight: 115 lb (52 kg) • Size (L x W x H): 22.3 x 26 x 12.3" (566 x 660 x 313mm) <p>REGULATORY APPROVALS</p> <ul style="list-style-type: none"> • UL/CSA/IEC 60950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns 	<p>BRIGHTNESS</p> <ul style="list-style-type: none"> • 8000 ANSI lumens (± 10%) • 90% brightness uniformity <p>CONTRAST</p> <ul style="list-style-type: none"> • 1500-2000:1 full field <p>LAMP</p> <ul style="list-style-type: none"> • 1.2kW CERMAX® Xenon pre-aligned lamp module • 1500 hours (typical) lifetime • LiteLOC™ light output control <p>POWER</p> <ul style="list-style-type: none"> • 200 VAC to 240 VAC ± 10% @ 50/60 Hz • Power consumption: 2000W • Thermal dissipation: 6825 BTU/hr • Operating current: 10A @ 200V <p>DIMS</p> <ul style="list-style-type: none"> • Weight: 80 lb (36.3 kg) • Shipping weight: 122 lb (55.3 kg) • Size (L x W x H): 22.3 x 26 x 12.3" (566 x 660 x 313mm) <p>REGULATORY APPROVALS</p> <ul style="list-style-type: none"> • UL/CSA/IEC 60950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns 	<p>BRIGHTNESS</p> <ul style="list-style-type: none"> • 12,000 ANSI lumens (± 10%) • 90% brightness uniformity <p>CONTRAST</p> <ul style="list-style-type: none"> • 1500-2000:1 full field <p>LAMP</p> <ul style="list-style-type: none"> • 2.0kW Cermax® Xenon pre-aligned lamp module • 750 hours (typical) lifetime • User-replaceable bulb • LiteLOC™ light output control <p>POWER</p> <ul style="list-style-type: none"> • 200 VAC to 240 VAC ± 10% @ 50/60 Hz • Power consumption: 3000W • Thermal dissipation: 10,236 BTU/hr • Operating current: 15A @ 200V <p>DIMS</p> <ul style="list-style-type: none"> • Weight: 135 lb (61.4 kg) excluding lens • Shipping weight: 160 lb (72.7 kg) • Size (L x W x H): 32.1 x 24.5 x 15.1" (814.8 x 631.4 x 384mm) <p>REGULATORY APPROVALS</p> <ul style="list-style-type: none"> • UL/CSA/IEC 60950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns
 <p>HD5Kc</p>	 <p>HD8Kc</p>	
<p>BRIGHTNESS</p> <ul style="list-style-type: none"> • 4000 ANSI lumens (± 10%) • 90% brightness uniformity <p>CONTRAST</p> <ul style="list-style-type: none"> • 1500-2000:1 full field <p>LAMP</p> <ul style="list-style-type: none"> • 1kW CERMAX® Xenon pre-aligned lamp module • 1600 hours (typical) lifetime • LiteLOC™ light output control <p>POWER</p> <ul style="list-style-type: none"> • 100 VAC to 240 VAC ± 10% @ 50/60 Hz • Power consumption: 1500W maximum • Thermal dissipation: 5460 BTU/hr • Operating current: 12A @ 100V/8A @ 200V <p>DIMS</p> <ul style="list-style-type: none"> • Weight: 75 lb (34 kg) • Shipping weight: 115 lb (52 kg) • Size (L x W x H): 22.3 x 26 x 12.3" (566 x 660 x 313mm) <p>REGULATORY APPROVALS</p> <ul style="list-style-type: none"> • UL/CSA/IEC 60950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns 	<p>BRIGHTNESS</p> <ul style="list-style-type: none"> • 7000 ANSI lumens (± 10%) • 90% brightness uniformity <p>CONTRAST</p> <ul style="list-style-type: none"> • 1500-2000:1 full field <p>LAMP</p> <ul style="list-style-type: none"> • 1.2kW CERMAX® Xenon pre-aligned lamp module • 1500 hours (typical) lifetime • LiteLOC™ light output control <p>POWER</p> <ul style="list-style-type: none"> • 200 VAC to 240 VAC ± 10% @ 50/60 Hz • Power consumption: 2000W maximum • Thermal dissipation: 6825 BTU/hr • Operating current: 10A @ 200V <p>DIMS</p> <ul style="list-style-type: none"> • Weight: 80 lb (36.3 kg) • Shipping weight: 122 lb (55.3 kg) • Size (L x W x H): 22.3 x 26 x 12.3" (566 x 660 x 313mm) <p>REGULATORY APPROVALS</p> <ul style="list-style-type: none"> • UL/CSA/IEC 60950 (3rd edition) • FCC Class A, CE, CCC • This product conforms to all relevant European directives, standards, safety, health and environmental concerns 	

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