

# HD405

Meeting rooms

Training rooms

Classrooms

Government facilities

Executive briefing centers



## The most complete HD package, exceptional image, clarity and color

Looking for dynamic, saturated, high definition images, the Christie HD405 has it all and delivers fully saturated images with 4100 ANSI lumens brightness and a contrast ratio of 1000:1 up to 7500:1.

With DLP® technology and 1080p HD resolution the HD405 provides the first full 1080p (1920x1080) single-chip projector featuring BrilliantColor™ and 10-bit image processing.

You'll be delighted with the high reliability and low maintenance of the HD405, as well as the high brightness and uniformity with excellent color. Bring images to life with a six-segment RGBCYM color wheel for exceptional video reproduction.

The HD405 offers superior image performance for small to medium sized conference rooms, boardrooms, executive briefing rooms, training rooms and in home theater. With native 16:9 aspect ratio and full 1080 HD resolution, the HD405 provides the highest image detail. The Christie HD405 provides installation flexibility for the latest video and wide-screen data applications with a suite of six optional high performance motorized lenses, featuring vertical and horizontal lens shift.

Digital signal with DVI and HDMI inputs provides compatibility with current HD video sources. Single-chip DLP® reliability means years of worry-free presentations and the suitability for demanding 24/7 applications.

**CHRISTIE®**

# Technical Specifications

## HD405 (115-013101-01)

Image	<ul style="list-style-type: none"> <li>4100 ANSI lumens</li> <li>Contrast ratio: 1000–7500:1 (max)</li> <li>90% brightness uniformity</li> </ul>
Display technology & resolution	<ul style="list-style-type: none"> <li>1-chip 0.95" Darkchip3™ DMD</li> <li>Native HD 1920 x 1080 resolution</li> <li>Sealed, all-glass optical design</li> <li>10-bit internal image processing</li> <li>BrilliantColor™ processing</li> <li>Filter-free optical engine</li> </ul>
Input signal compatibility	<ul style="list-style-type: none"> <li>VGA through UXGA</li> <li>Horizontal &amp; vertical scaling, all inputs</li> <li>Accepts all current HDTV/DTV formats including native 1080p sources</li> <li>10-bit image processing with DNX video processing technology</li> </ul>
Scan rates	<ul style="list-style-type: none"> <li>Horizontal: 15 to 150 kHz, Vertical: 49 to 190 Hz</li> </ul>
Pixel clock	<ul style="list-style-type: none"> <li>160 MHz (analog), 160 MHz (DVI)</li> </ul>
Inputs, control & networking	<ul style="list-style-type: none"> <li>DVI-D (HDCP)</li> <li>HD15</li> <li>5 BNC: RGBHV/YPbPr</li> <li>HDMI (HDCP)</li> <li>Composite video, S-Video</li> <li>RS-232C</li> <li>2 XPort (1 x front end, 1 x back end)</li> <li>ChristieNET™ compatible via RJ45 connectivity</li> <li>IR remote control and built-in keypad</li> <li>12v trigger (mini jack)</li> <li>USB (mouse control only)</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>Weight: 27.8 lb (12.6 kg) excluding lens</li> <li>Size (L x W x H): 14.8 x 20.0 x 8.8" (376 x 510 x 223mm)</li> </ul>
Lamp	<ul style="list-style-type: none"> <li>Dual 300W UHP™ lamps</li> <li>Lamp life: 1500 hrs (max brightness); 2000 hrs (low power mode)</li> <li>Variable lamp power from 300W to 250W</li> <li>Hot swap lamp – projector remains operating while you replace the lamp</li> </ul>
Optical system	<ul style="list-style-type: none"> <li>Motorized vertical and horizontal offset up to 120% vertical and 78% horizontal</li> <li>Tool free lens insertion system</li> <li>Scheimpflug (tilt) adjustment</li> <li>Built-in light shutter</li> </ul>
Power requirements	<ul style="list-style-type: none"> <li>Line voltage: 100–240 VAC ± 10% @ 50/60 Hz</li> <li>Power consumption: 850W max</li> <li>Thermal Dissipation: 3000 BTU/hr max</li> </ul>
Standard accessories	<ul style="list-style-type: none"> <li>Line cord</li> <li>Wired remote control cable</li> <li>USB cable</li> <li>Wireless remote unit with laser pointer</li> <li>User manual</li> <li>S-Video cable</li> <li>Computer cable</li> <li>DVI-D cable</li> </ul>
Optional accessories	<ul style="list-style-type: none"> <li>Fixed lenses: 0.8:1, 1.2:1</li> <li>Zoom lenses: 1.3–1.7:1, 1.7–2.5:1, 2.5–4.0:1, 4.0–7.0:1</li> <li>Shipping case</li> <li>Ceiling mount</li> </ul>
Operating environment	<ul style="list-style-type: none"> <li>Temperature: 32–105° F (0–40° C)</li> <li>Humidity: 20–90%</li> <li>Altitude: 0–10,000 ft (0–9144 m)</li> <li>Audible noise: 30dB (low power mode)</li> </ul>
Regulatory approvals	<ul style="list-style-type: none"> <li>UL 60950-1 1st edition</li> <li>CAN/CSA C22.2. No. 60950-1-03 1st edition</li> <li>IEC 60950-1:2001 1st edition</li> <li>FCC CFR 47, Part 15, Class A</li> <li>EN55022 Class A</li> <li>EN55024</li> </ul>
Limited warranty	<ul style="list-style-type: none"> <li>2 years parts and labor (including light engine)</li> <li>Lamp: 120 days or 500 hrs, whichever comes first</li> <li>24/7 operation capable (Conditions apply. See warranty and maintenance schedules for details)</li> </ul>



▲ With a broad range of standard inputs and option card slots, the Christie HD405 is flexible and customizable.



▲ Consistent, repeatable image performance for years of worry free presentations. The Christie HD405 is the complete package.

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