# Zeus

Barco Zeus delivers the luxury, craftsmanship, and renowned image quality of Barco's Cinema at Home product range in a compact form factor.

| | | | |
|---|---|---|---|
| **2Y** WARRANTY | COMPACT | **12** BIT | **3D** READY |
| **HDCP** COMPLIANT | **DCI** COMPLIANT | **2K** 2048 X 1080 | **3 CHIP** DLP |

- **Cinema at Home Series**

- **Native 2K Resolution (2,048 x 1,080)**

- **2.2 kW Short-arc Xenon**

- **Up to 8,000 ANSI Lumens**

Barco Zeus's hermetically sealed DMDs and optical assembly guarantee outstanding reliability - and, thanks to our acclaimed analog color convergence mechanism, crisp images are maintained over time. Xenon lamps offer vibrant colors, and motorized high-contrast lens options ensure not just a perfect image but accurate ratios as well.

## Hand-built

Not every projector can claim to be hand-built, Zeus can. Even though we are using state-of-the-art technologies for most processes – such as measuring, calibrating, assembling our electronics, and manufacturing the delicate optics and mechanics – every single step of the process is overseen by specifically trained professionals. Moreover, the assembly of vital parts is performed by hand. To guarantee ultimate quality at all stages of manufacture, our projectors do not travel down an automated production line.

## Compact Design

Barco Residential Zeus is a compact, fully integrated digital cinema (DCI) projector designed for the most demanding cinemas in a home environment. He is much more than the average home cinema projector, drawing on our pedigree of digital cinema and post production excellence  and refined to deliver less light output and more contrast on screens up to 6m wide. Our designers and engineers have worked tirelessly to retain the potent punch of DCI performance and couple it with new levels of refinement and accuracy.

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| PRODUCT SPECIFICATIONS | ZEUS |
|---|---|
| Projector type | Three chip DLP |
| Technology | 3 x 0.69" DMD™ |
| Resolution | 2,048 x 1,080 (2K) |
| Aspect ratio | 1.89:1 |
| Light source | 2.2 kW Short-arc Xenon |
| Light source lifetime | TBC |
| Light output | Up to 8,000 ANSI lumens |
| CLO (constant light output) | Yes |
| Contrast ratio | 1,850:1 Sequential<br>350:1 ANSI |
| Brightness uniformity | 80% at sides<br>75% at corners |
| Lens range | DC2K (1.20 - 1.70:1)<br>DC2K (1.34 - 1.90:1 )<br>DC2K (1.50 - 2.15:1)<br>DC2K (1.70 - 2.55:1)<br>DC2K (2.00 - 3.90:1)<br><br>DC2K HC (1.20 - 1.70:1)<br>DC2K HC (1.34 - 1.90:1)<br>DC2K HC (1.50 - 2.15:1)<br>DC2K HC (2.00 - 3.90:1) |
| Optical lens shift | Up to 25% vertical lens shift & up to 15% horizontal lens shift<br>Motorized zoom, focus, shutter and lens shift<br>Download Lens Data Here |
| Tilt | 20° Forwards<br>5° Backwards |
| Optical dowser | Yes |
| Color correction | P7 |
| Color gamut | P3 (DCI) |
| Image processing | Alchemy - Integrated Cinema Media Processor (ICMP) |
| WARP | N/A |
| Orientation | Pedestal / Table Top |
| Network connection | 10/100 Ethernet via RJ45 connection |
| Software tools | Barco Communicator |
| Integrated web server | No |
| HDR | HDR10 |
| 3D | Passive Dolby system, built in (optional) |

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|---|---|
| Inputs | Barco Alchemy ICMP included in the projector:<br>2 x HDMI2.0a (up to 4K 2D 60fps)<br>2 x 3G-SDI inputs<br>16 x AES/EBU audio channels (2 x RJ45)<br>8 x GPI, 8 x GPO (4 x RJ45)<br>2 x Gbe for content connectivity & ingest<br>2 x front-accessible USB 3.0 for fast ingest<br>2 x front-accessible USB 2.0<br><br>DCI 4K 2D up to 60fps*<br>DCI 4K 3D (24 or 30fps per eye)*<br>DCI High Frame Rates 2K 3D up to 120fps (60fps per eye)<br>JPEG 2000 bit-rates up to 625 Mbps<br>MPEG-2 (4:2:0 and 4:2:2 up to 60fps) |
| Input resolutions | VGA up to 4K (4,096 x 2,160) @ 120Hz |
| Integrated storage | 3.9TB effective storage (RAID-5)<br>via 3 x 2TB Hot-swappable 2.5" hard-drives |
| Control | RS232, TCP/IP, 8 x GPIO |
| Power requirements | 220V, 16A |
| Power consumption | 2.5 kW |
| Noise level (typical at 25°C/77°F) | dB(A) @ 1m:<br>53 dB(A) - Normal |
| Operating temperature | 10 to 35 °C Max. (sea Level) |
| Operational humidity | 20 to 80% (relative humidity) |
| BTU per hour | 11,000 BTU/h |
| Airflow requirements | Air Inlet (from Rear w/Feet Down): Front<br>Exhaust (from Rear w/Feet Down): Top (Back Through Accessories) |
| Exhaust airflow | 140 -180 CFM (4 -5 m$^3$/min) |
| Dimensions (WxLxH) | 658 x 927 x 431 mm (including feet and exhaust exit  /  excludes lens)<br>25.9 x 36.5 x 17 in. (including feet and exhaust exit  /  excludes lens) |
| Weight | 66.5 kg / 147 lbs (excludes lens) |
| Shipping Dimensions | TBC |
| Shipping weight | TBC |
| Storage temperature | TBC |
| Storage humidity | TBC |
| Standard accessories | TBC |
| Certifications | TBC |
| Warranty | Limited 3 years parts and labor<br>Extendable up to 5 years |
| * | Firmware upgradable<br>Please contact an authorized Barco representative for details |

**ENABLING BRIGHT OUTCOMES**

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