

G50-W7

7,000 lumens, WUXGA, DLP laser phosphor projector



- **Smallest and lightest projector in its category**
- **Industry leading energy efficiency in the 5-8K lumens segment**
- **Consistent image quality over time**
- **Full range of interchangeable lenses (with widest lens shift)**
- **Guaranteed service and support**

The G50-W7 is an affordable and compact, yet powerful, single-chip WUXGA projector designed for single and multi-channel projections for boardrooms, museums, exhibitions, experience centers, and entry-level simulation applications. It is part of the economical G50 series and the Barco smart line projectors. With a great price-performance ratio, the G50s are the most compact and energy efficient projectors on the market.

The laser phosphor light source ensures great image quality, with superb colors and image uniformity. These are the smallest projectors in our offering with the highest light efficiency visualizing high-quality content at its best.

Their uniform compact size, the compatibility with Barco's extensive G-series lenses and the wide lens shift range enlarge the projectors flexibility, which allows you to choose the perfect fit for your specific environment.

In addition, G50 owners can benefit from the valued Barco service and support. The G50 allows for an Insights Management Suite subscription, our cloud-based IoT platform to monitor, diagnose and control your projectors. And thanks to Barco's Projector Toolset software, installing and managing your projector(s) can be done from the comfort of your own computer.

Product specifications

G50-W7

General specifications

| | |
|------------------------------------|--|
| Projector type | Single chip DLP laser phosphor projector |
| Resolution | 1,920 x 1,200 (WUXGA) |
| Brightness | 6,300 ANSI lumens 7,000 center lumens 7,400 ISO lumens |
| Brightness uniformity | 90% |
| Contrast ratio | 1,200:1 sequential; 6,000:1 dynamic; Extreme black: 750,000:1 |
| Light source | Laser phosphor |
| Light source lifetime | Up to 20,000hrs |
| Aspect ratio | 16:10 |
| Orientation | 360° rotation, no restrictions |
| Sealed DLP™ core | Yes |
| Color correction | Yes |
| CLO (constant light output) | Yes |
| Keystone correction | Yes |
| Image processing | Embedded warp & blend possible via Ptoolset |
| 3D | Active stereoscopic 3D |
| Lens type | G-lenses -0.37-0.4:1 / 0.65-0.75:1 / 0.75-0.95:1 / 0.95-1.22:1 / 1.22-1.53:1 / 1.52-2.92:1 / 2.90-5.50:1 |
| Optical lens shift | Vertical up to 100%, depending on lens Horizontal up to 30%, depending on lens Motorized zoom and focus Motorized lens shift |
| Inputs | 2 x HDMI In (Compliant with HDMI 2.0b, HDCP2.2) / 1 x Display Port (1.2a) / 1 x HDBaseT(HDCP1.4) / 1 x 3D SYNC In |
| Output | 1 x HDMI Out (Loop through HDMI1/HDMI2/HDBaseT/DP) 1 x 3D SYNC Out 1 x DC 12V Out 1 x Audio out, 3.5mm phone jack |
| Input resolutions | Up to 4K @60Hz Refresh rates: 24Hz to 60Hz for WUXGA and 4K/4KUHD (4096 x 2160 / 3840 x 2160) 4K input signals will be scaled to the projector's output resolution |
| Software tools | Projector Toolset |
| Control | 1 x RS232 (D-sub 9 pin) (PC Control) 1 x Wired In (3.5mm phone jack) (Remote In) 1 x RJ45 (LAN) |
| Network connection | 10/100 Ethernet, RJ45 |
| Speakers | 10W / 6 Ohm *2 |
| Power requirements | 100-240V / 50-60Hz |
| Power consumption | 390W @110V 380W @220V |
| Standby power | less than 0.5W |
| BTU per hour | 1331 @110V 1297 @220V |
| Noise level (typical at 25°C/77°F) | 32dB(A) -36dB(A) depending on the used mode |
| Operating temperature | 0 ~ 40 °C (sea level) |
| Operating humidity | 10 -85% RH, non-condensing |
| Storage temperature | -10 ~ 60 °C |
| Storage humidity | 5 -90% RH, non-condensing |
| Dimensions (WxLxH) | without feet: 486 x 376 x 181.2 mm |
| Weight | without lens: 11.8 kg / 26.01 lbs |
| Standard accessories | Power cord, wireless remote control |
| Certifications | CE, FCC Class A, cTUVUS, CCC, EAC, KCC, RCM, BIS, BSMI |
| Warranty | Limited 3 years parts and labor |
| *Note | Brightness levels +/-10% |

Last updated: 30 May 2024

© 2024 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.