



BARCO GALAXY WARP™

Active Stereo DLP™ Projector with Built-In Geometry Distortion

Following the success of the BARCO GALAXY active-stereo DLP™ projector, Barco introduces a version that can perform real-time geometry distortion at double refresh rates (stereo): the BARCO GALAXY WARP™. Its high processing power and ease-of-use, combined with the high brightness and proven picture quality of the GALAXY, make the GALAXY WARP™ ideally suited for the most demanding active-stereo applications.



Unequaled Versatility

- Proprietary dual parallel **WARP™ NLIM (Non-linear Image Mapping)** boards result in smooth and detailed pre-distorted imagery for curved-screen applications
- **Active stereo capabilities at SXGA** up to 120 Hz, thanks to high-performance Pixel Map Processor and dedicated DLP™ chipsets
- Impressive 205 MHz A/D conversion bandwidth ensures **compatibility with high resolution and high refresh-rate sources**
- Optional Passive Stereo optimization with DMD™ optimized polarizers enables large-venue passive 3D projection

Multi-channel Optimization

- **Proprietary OPTICAL SOFT EDGE MATCHING (OSEM)**: custom-made optical filters to achieve truly seamless blending for multichannel systems, maintaining full contrast ratio
- **Proprietary ELECTRONIC SOFT EDGE MATCHING (ESEM)**: highly-flexible and reconfigurable blending with easy set-up
- Integrated **CONSTANT LIGHT OUTPUT (CLO)**, which can be linked with other BARCO GALAXY projectors for cross-channel brightness tracking
- Optimized engine ensures matched primary colors and maximizes addressable multi-channel color gamut

Superior Optics

- High contrast ratio: engine developed to achieve a **contrast ratio of 800:1** which results in extremely vivid and dynamic images
- Dedicated lens range: optimized for unequalled resolution and accurate geometry; wide throw ratio range, motorized shift range and built-in **Scheimpflug correction** result in high flexibility of installations

Features and Specifications

Light Output

5,000 ANSI lumens

Brightness Uniformity

> 90% for the total screen area

Digital Micromirror Device™

Three high resolution SXGA active stereo DMD™'s

Lamp

1.2 kW Xenon illumination system
Typical lifetime: 1000 hours
Max. lifetime: 1500 hours
Linked CLO

Contrast Ratio

800:1 (full white/full black)

Native Resolution

1280 x 1024 (SXGA)

Shift

Motorized V shift: up to 118%
Motorized H shift: up to 71%

Lens Type

Throw Ratio

Fixed Lens (Manual Focus)

TLD (0.8:1) 0.8

TLD (1.2:1) 1.2

Motorized Zoom and Focus

TLD (1.6-2.0:1) 1.6 to 2.0

TLD (2.0-2.8:1) 2.0 to 2.8

TLD (2.8-5.0:1) 2.8 to 5.0

TLD (5.0-8.0:1) 5.0 to 8.0

Dimensions	mm	inch
W	529	20.84
L	795	31.29
H	408	16.05

Noise Level

< 50 dBA

Compatibility

- Active Stereo capabilities up to SXGA at 120 Hz (110 Hz synchronously)
- WARP 6™ based pixel map processor using bi-cubic interpolation algorithms for advanced geometry correction up to a pixelclock of 205 MHz
- All current data sources in RGB or DVI

Fixed Analog Inputs

- 1 multifunctional 5-Cables input (high band width) for the connection of
- RGB analog signals with standard sync (BNC connectors), sync on green or separate sync
- 1 Stereo sync input (mini din)
- 2 Stereo sync outputs (coax)
- 1 DVI input

Communication

- RS232 or RS422 loop-through input (D9-connector) for PC based projector control
- Communication input (D9 connector) for peripherals

Power Consumption

1700 Watts

AC Power

230V (tolerance 180V - 255V)

Weight

Net weight 99lbs / 45kg

Ambient Temperature

Max. 45°C

Order Information

BARCO GALAXY WARP R9040320

Lenses:

Manual focus

• TLD (0.8) man. R9840900

• TLD (1.2) man. R9840770

Motorized Zoom and Focus

• TLD (1.6-2.0) mot. R9840670

• TLD (2.0-2.8) mot. R9840680

• TLD (2.8-5.0) mot. R9840690

• TLD (5.0-8.0) mot. R9840910

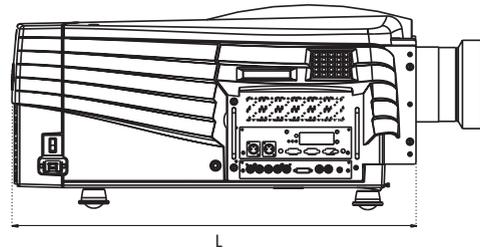
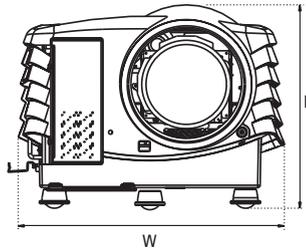
Stackable Frame R9898215

New Spare Lamp R9840740

Refurb Lamp R9840820

Lamp power supply R763370K

Remote R9840170



Barco Simulation Products

a business unit of Barco Projection Systems

in US

600 Bellbrook Ave.

Xenia, OH 45385

Phone +1 (937) 372 7579 • Fax +1 (937) 372 8645

E-mail: eis@barco.com

in Europe

Noordlaan 5, 8520 Kuurne, Belgium

Phone +32 56 36 82 11 • Fax +32 56 36 84 86

E-mail: sales.bps.bsp@barco.com

www.vr.barco.com

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