

Galaxy

Active Stereo DLP™ Projector for Virtual & Augmented Reality Applications



Next to a wide range of high-performance stereoscopic CRT and LCD projectors, Barco now presents a top of the range stereoscopic DLP™ projector, the Barco Galaxy. Its capability to display SXGA active stereo signals with refresh rates up to 110 Hz, in combination with the 5,000 ANSI lumen light output, make it the leading product for large-venue high brightness 3D applications. Using proprietary Optical Soft Edge Matching (OSEM), multiple channels can be blended together seamlessly, providing invisible transitions independent of image content without sacrificing dynamic range.

Unequaled Versatility

- Active stereo capabilities at SXGA and up to 110 Hz, thanks to high-performance Pixel Map Processor and dedicated DLP™ chipsets
- Barco's SyncLock ensures synchronization between the Image Generator, the Galaxy projector and the active stereo shutter glasses at all times
- Impressive 205 MHz A/D conversion bandwidth ensures compatibility with high resolution and high refresh-rate sources
- Version with integrated proprietary WARP™ also available, offering built-in Non-Linear Image Mapping, frame rate and resolution conversion at active stereo rates
- Passive stereo optimization with DMD™ optimized polarizers enables large-venue and 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 Electronical Soft Edge Matching (ESEM): highly-flexible and reconfigurable blending with easy set-up
- Integrated linked Constant Light Output (CLO), which can be linked with other Galaxy projectors for cross-channel brightness tracking in multi-screen applications
- Optimized engine ensures matched primary colors and maximizes addressable multi-channel color gamut

Superior Optics

BARCO

Visibly yours

Technische Daten

Lichtstrom	5,000 ANSI lumens
Helligkeitsgleichförmigkeit	> 90% for the total screen area
DMDTM-Chip	Three High Resolution SXGA DMD™'s
Lampe	1.2 kW Xenon illumination system. Typical lifetime: 1000 hours. Linked CLO
Kontrast	800:1 (full white/full black)
Lens Shift	Motorized V shift: up to 118% Motorized H shift: up to 71%
Geräuschpegel	< 50 dBA
Auflösung	1280 x 1024 (SXGA)
Kompatibilität	<ul style="list-style-type: none"> • Active Stereo SXGA signals with refresh rates up to 110 Hz • Pixel map processor for computers and workstations with a resolution of up to 1600x1200 pixels • All current video sources in Composite, S-VHS, RGB or Component or Serial Digital Format • All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-Vision, ACTV, IDTV, EDTV,...) • Most Macintosh computers • Two digital input slots to allow for direct digital interfacing with current and future digital inputs
Fixe Analog-Eingänge	2 multifunctional 5-Cables input (high band width) for the connection of RGB analog signals with standard sync (BNC connectors) or tri-level sync, sync on green or separate sync Optional: - Video signals - S-VHS signals
Kommunikation	- RS232 or RS422 loop-through input (D9-connector) for PC based projector control - Communication input (D9 connector) for peripherals
Leistungsaufnahme	1600 Watts Power dissipation < 5500 BTU/h
Stromversorgung	230V (tolerance 180V - 255V)
Gewicht	Net (Body Only): 45 kg / 99 lbs Shipping Weight (max.): 93 kg / 205 lbs
Umgebungstemperatur	Max. 45°C

Generiert am: Saturday, May 26, 2012
 Die angegebenen Informationen und Daten sind typisch für das beschriebene Gerät.
 Jede Spezifikation kann sich aber ohne vorherige Ankündigung ändern.
 Die aktuelle Version dieser Broschüre finden Sie unter www.barco.com.

BARCO

Visibly yours