

BarcoReality SIM 6 Ultra

Simulation Dedicated Digital Light Valve Projector with
1600x1200 native resolution



With a native resolution of 1600 x 1200 pixels, Barco's SIM 6 Ultra can project more data on-screen and is therefore perfectly suited for high resolution applications such as full flight simulation. The BR SIM 6 Ultra maintains more resolution after geometry distortion and fewer channels are required to cover the same projection surface.

As part of its WARP6™ technology Barco has optimized its BarcoReality SIM 6 Ultra projector with DynaColor™ and Gray Level Definition (GLD) to achieve ultimate Color Uniformity for multi-channel installations.

NEW! Enhanced Color Uniformity

- DynaColor™ (Electronic Color Space Transformation): Eliminating channel-to-channel color variations through direct control of the primary colors by drawing upon the processing power of the WARP 6™
- Gray Level Definition (GLD): Improved grayscale tracking across the different channels of the multi-channel set-up by controlling the black, white and grays.

Optimizable for Demanding Applications

- WARP 6™ non-linear image mapping using proprietary bicubic interpolation algorithms: enables high-order pre-distortions electronically, without frame delay
- Transport Delay Reduction (TDR): to ensure minimal propagation delay (· True Motion Reproduction (TMR): motion artifacts compensation and image enhancement to dramatically minimize smearing inherent to LCD technology

Multi-Channel Optimization

- Color Gamut Matching (CGM): optical components matched for use in multi-channel displays
- Gamut Expansion and Matching (GEM): increased addressable gamut and more accurate color matching
- Chromatically matched optical engines with additional DynaColor™ electronic color space transformations for elimination of channel-to-channel color variations

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Technische Daten

Lichtstrom	3,000 ANSI lumens (typical) 2,140 ANSI lumen (RST: redy for stereo technology)
LCD-Panels	3 active matrix Poly-Silicon LCD panels (1.8" diagonal), with Micro Lens Array and a native resolution of 1600 x 1200 pixels (aspect ratio 4:3)
Kontrast	700:1 (full white/full black)
Lampe	600 W metal-halide arc lamp Typical lifetime: 1,000 h (please contact Barco for further information)
Frequenzen	Horizontal 15 kHz - 115 kHz Vertical 25 Hz - 150 Hz Synchronous rendering of 18 - 61 Hz Compatible with field stretch
Kompatibilität	- Image generators and electronic workstations with a resolution up to 2,000 x 1,280 pixels / 76 Hz - All computer graphics formats from VGA, SVGA, XGA, SXGA to UXGA - Most Macintosh computers - All current video sources (PAL, SECAM, NTSC 3.58, NTSC 4.43) in Composite, SVHS, Component or RGB formats using optional video decoder - All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-vision, ACTV, IDTV, EDTV) - Most sources with a pixel clock up to 205 MHz
Eingänge/Ausgänge	Standard: - 1 x input for RGB / RGSB / RGSB / RGBHV (5 x BNC) - 1 x VGA (D-15 connector) With optional audio/video pack: - 1 x Video (BNC or RCA) - 1 x S-video (4-pin mini-DIN) - 1 x monitor output (D-15 connector) - 3 x stereo audio input (2 x RCA) - 1 x stereo audio output (2 x RCA)
Kommunikation	- 2x D9 connectors for RS232 IN/Out - 1x D9 connector for Com 800 - 1x Mini-jack for wired remote control - 2x IR receivers (front + back)
Fernbedienung	RS232 Control Remote Control Unit
Stromversorgung	Power factor pre-regulated SMPS, 95 - 230 VAC +-10% / 50-60 Hz
True Color Reproduction TCR	Standard equipped with BARCO's unique True Color Reproduction technology. TCR provides color fidelity and uniformity by intelligent color tracking and gamma correction.
Leistungsaufnahme	Max 950 Watts Power dissipation < 3,250 BTU/h
Sicherheitsstandards	Compliant with UL 1950 and EN60950
Elektromagnetische Interferenz	Complies with FCC rules & regulations, part 15 Class B and CE EN55022 Class B
Geräuschpegel	(0-26°C / 32-79 F) 39 dB (A) at 39.4" / 1m (3.3 ft) 34 dB (A) at 78.8" / 2m (6.6 ft)
Gewicht	Net (Body only): 17.7 kg / 39.0 lbs. Shipping weight (max.): 29 kg / 63.9 lbs.
Lens Shift	All zoom lenses allow the projector to be installed up to 110% off-axis, without losing any brightness (110% vertically and 12% horizontally)
Optiken	QFD lenses are recommended for the highest optical efficiency and maximum light output on the SIM 6 Ultra equipped with Micro Lens Arrays. This projector is also compatible with Barco's existing range of QGD lenses.
Scheimpflug-Korrektur	This built-in optical correction guarantees optimal optical fucos from left to right and from top to bottom for projection under non-standard angles.
Auflösung	1600 x 1200 pixels

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.

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