

# BarcoReality SIM 6 Ultra II

Ultimate performance UXGA LCD projector



A new ultimate performance UXGA LCD projector offering full form/fit function compatibility with the former SIM6 Ultra, providing longer and more stable light output and reducing Cost of Ownership with more than 40% thanks to an improved optical performance, faster alignment and easier maintenance

### Improved optical performance

Longer lamp life and lower cost are achieved by a novel illumination system, based on a compact and economical 250 W UHP lamp in conjunction with optimised filtering. As lamps are carefully fitted in a lamp house, no realignment is needed after replacing lamps.

### Faster alignment and easier maintenance

Faster alignment and easier maintenance is achieved with the new Constant Light Output (CLO) option, which enables the user to set a certain brightness level that is constantly monitored and maintained over time. At the same time, the improved optical dimmer yields more accurate contrast enhancement for nighttime simulation.

### Same proven technology

Maintaining all of the valuable features of the SIM6 Ultra:

- **DynaColor** eliminates channel-to-channel color variations through direct control of the primary colors by drawing upon the processing power of the WARP6
- **Gray Level Definition (GLD)**: Improved grayscale tracking across the different channels of the multi-channel set-up by controlling the black, white and grays.
- Advanced **WARP6** non-linear image mapping enables high-order pre-distortions electronically, without frame delay
- **Transport Delay Reduction (TDR)** ensures minimal propagation delay ( · **True Motion Reproduction (TMR)** motion artifacts compensation and image enhancement to dramatically minimize smearing inherent to LCD technology
- Chromatically matched optical engines with additional DynaColor electronic color space transformations for elimination of channel-to-channel color variations
- **Optical Soft Edge Matching (OSEM)**: edge blending for all brightness levels, including black level

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# Technische Daten

<b>Lichtstrom</b>	Normal operation: 2500 ANSI lumens Economy mode: 2000 ANSI lumens (*measured on-axis with QFD 1.27:1 lens)
<b>Kontrast</b>	Typical 700:1
<b>Lebensdauer der Lampe</b>	(typical) Normal operation: 1500h Economy mode: 3000h
<b>Lampe</b>	250 W UHP lamp
<b>Leistungsaufnahme</b>	Normal operation: Max. 600W
<b>Wärmeabgabe</b>	< 2050 BTU/h
<b>LCD-Panels</b>	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)
<b>Frequenzen</b>	Horizontal 15 kHz - 115 kHz Vertical 25 Hz - 150 Hz Synchronous rendering of 18 - 61 Hz Compatible with field stretch
<b>Kompatibilität</b>	<ul style="list-style-type: none"> <li>- Image generators and electronic workstations with a resolution up to 2,000 x 1,280 pixels / 76 Hz</li> <li>- All computer graphics formats from VGA, SVGA, XGA, SXGA to UXGA</li> <li>- Most Macintosh computers</li> <li>- All current video sources (PAL, SECAM, NTSC 3.58, NTSC 4.43) in Composite, SVHS, Component or RGB formats using optional video decoder</li> <li>- All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-vision, ACTV, IDTV, EDTV)</li> <li>- Most sources with a pixel clock up to 205 MHz</li> </ul>
<b>Eingänge</b>	<p>Standard:</p> <ul style="list-style-type: none"> <li>- 1 x input for RGB / RGSB / RGSB / RGBHV (5 x BNC)</li> <li>- 1 x VGA (D-15 connector)</li> </ul> <p>With optional audio/video pack:</p> <ul style="list-style-type: none"> <li>- 1 x Video (BNC or RCA)</li> <li>- 1 x S-video (4-pin mini-DIN)</li> <li>- 1 x monitor output (D-15 connector)</li> <li>- 3 x stereo audio input (2 x RCA)</li> <li>- 1 x stereo audio output (2 x RCA)</li> </ul>
<b>Kommunikation</b>	<ul style="list-style-type: none"> <li>- 2x D9 connectors for RS232 IN/Out</li> <li>- 1x D9 connector for Com 800</li> <li>- 1x Mini-jack for wired remote control</li> <li>- 2x IR receivers (front + back)</li> </ul>
<b>Fernbedienung</b>	RS232 Control Remote Control Unit
<b>Stromversorgung</b>	Power factor pre-regulated SMPS, 95 - 230 VAC +-10% / 50-60 Hz
<b>True Color Reproduction TCR</b>	Standard equipped with BARCO's unique True Color Reproduction technology. TCR provides color fidelity and uniformity by intelligent color tracking and gamma correction.
<b>Sicherheitsstandards</b>	Compliant with UL 1950 and EN60950
<b>Elektromagnetische Interferenz</b>	Complies with FCC rules & regulations, part 15 Class B and CE EN55022 Class B
<b>Geräuschpegel</b>	(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)
<b>Gewicht</b>	Net (Body only): 17.7 kg / 39.0 lbs. Shipping weight (max.): 29 kg / 63.9 lbs.
<b>Lens Shift</b>	All zoom lenses allow the projector to be installed up to 110% off-axis, without losing any brightness (110% vertically and 12% horizontally)
<b>Optiken</b>	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.
<b>Scheimpflug-Korrektur</b>	This built-in optical correction guarantees optimal optical focus 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](http://www.barco.com).

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