

# 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

**BARCO**

Visibly yours

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### 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
- Adjustable edge blending without black level correction can be performed using optional **Electronic Soft Edge Matching**

**Product specifications****BarcoReality SIM 6 Ultra II**

<b>Light output</b>	Normal operation: 2500 ANSI lumens Economy mode: 2000 ANSI lumens( <i>measured on-axis with QFD 1.27:1 lens</i> )
<b>Contrast ratio</b>	Typical 700:1
<b>Lamp Life span</b>	(typical) Normal operation: 1500h Economy mode: 3000h
<b>Lamp</b>	250 W UHP lamp
<b>Power consumption</b>	Normal operation: Max. 600W
<b>Power Dissipation</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>Scan Frequencies</b>	Horizontal 15 kHz - 115 kHz Vertical 25 Hz - 150 Hz Synchronous rendering of 18 - 61 Hz Compatible with field stretch
<b>Compatibility</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>Inputs</b>	<p>Standard:</p> <ul style="list-style-type: none"> <li>- 1 x input for RGB / RGSB / RGBS / 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>Communication</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>Remote Control</b>	RS232 Control Remote Control Unit
<b>AC power</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>Safety Regulations</b>	Compliant with UL 1950 and EN60950
<b>Electromagnetic Interference</b>	Complies with FCC rules & regulations, part 15 Class B and CE EN55022 Class B
<b>Noise Level</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>Weight</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>Lenses</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 correction</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.
<b>Resolution</b>	1600 x 1200 pixels

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 Technical specifications are subject to change without prior notice.  
 Please check [www.barco.com](http://www.barco.com) for the latest information.

