BarcoReality SIM 6 MKII

Dedicated digital light valve projectors for simulation and V&AR

The BarcoReality SIM 6 MKII (BR SIM 6 MKII) can be equipped with a broad renge of proprietary Application spacific Optimizations (ASO's) for demanding configurations in both simulation and Virtual Reality applications. Compact size and rugged design makes them also perfect for implementation into motion-base platforms.

Barco proprietary options for dedicated application benifits

· 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 between the input signal and the projected image
· True Motion Reproduction (TMR): motion artifacts compensation and image enhancement to dramatically minimizes smearing inherent to LCD technology
· Adjustable Scheimpflug correction for tilted projector screen configurations
· Passive stereo optimized configuration (linear or circular polarization or Infitec™ stereo seperation) for V&AR applications
· Stereo Switcher™: switches between all three passive stereo seperation technologies

Multi-Channel Optimization

· Color Gamut Matching (CGM): matched optical components for multi-channel use
· 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
· Optical Soft Edge Matching (OSEM): edge blending for all brightness levels, including black level
· Black & White uniformity correction: factory adjustment to ensure excellent color uniformity of the grays, whites and blacks
· I-Stereo™ for multi-channel, high quality stereoscopic viewing in V&AR applications
(1) Requires color gamut matching

BARCO
Visibly yours

Technische Daten

Lichtstrom	3,400 ANSI lumens (typical) 2.380 ANSI lumen (RST: ready for stereo technology)
LCD-Panels	3 active matrix Poly-Silicon LCD panels (1.8" diagonal), with Micro Lens Array and a native resolution of 1280 x 1024 pixels (aspect ratio 5:4)
Kontrast	500:1 (full white / full black)
Eingänge/Ausgänge	Standard: - 1 x input for RGB / RGSB / RGBS / RGBHV (5 x BNC) - 1 x VGA (D-15 connector) With Optional Audio / Video Pack : Composite Video and S-Video on 5-wire BNC enabled - 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	- 2 x D9 connectors for RS232 In/Out - 1 x D9 connector for Com 800 - 1 x Mini-jack for Wired Remote Control - 2 x IR receivers (front + back)
Lampe	• 600 W metal-halide arc lamp • Typical lifetime: 1,000 h
Eingangs-Frequenzen	Horizontal 15 kHz - 115 kHz Vertical 25 Hz - 150 Hz Synchronous rendering of 48 - 61 Hz Compatible with field stretch
Kompatibilität	• Image generators and electronic workstations with a resolution up to 2000 x 1280 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
Fernbedienung	RS232 Control Remote Control Unit
Stromversorgung	Power factor pre-regulated SMPS, 95 - 230 VAC +-10% / 50 - 60Hz
Leistungsaufnahme	Max 950 Watts Power dissipation < 3,250 BTU/h
Sicherheitsstandards	Compliant with UL1950 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) 33 dB(A) at 78.8" / 2m (6.6 ft)
Gewicht	Net weight (Body only): 17.7 kg/39.0 lbs. Shipping weight: max. 29 kg/63.9 lbs.
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
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 MKII 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 focus from left to right and top to bottom for projection under non-standard angles.
Ruggedized Version	Optimized for use in motion base platform, designed to take 3g in x,y,z

Auflösung	1280 x 1024