

BarcoReality SIM 4

Single-chip DLP™ projector designed for immersive applications



The BarcoReality SIM 4 is the first single-chip DLP™ projector with SXGA resolution, designed especially for simulation and immersive applications. Thanks to Barco's Flex 4 geometry distortion technology, which is integrated in the projector's compact industrial design, the BarcoReality SIM 4 can support virtually any type of curved screen application. For simulation applications, specific attention was given to the requirements of Ship Bridge, Air Traffic Control and Driving simulators.

In Virtual & Augmented Reality, the BarcoReality SIM 4 equips CADWalls™ and analysis and decision centers. Its unique features make it also a valuable alternative to CRT projectors in planetariums.

Exceptional versatility

- Standard in all SIM 4s is the proprietary FLEX 4™ processor for pre-distortion of images in curved-screen applications (based on Barco's WARP 6™ technology)
- Leading-edge geometry distortion range
- Passive stereo optimized for V&AR (linear or circular polarization)

Multi-channel Optimization

- Optional, proprietary Optical Soft Edge Matching (OSEM): custom-made optical filters to achieve truly seamless blending for multi-channel systems, maintaining full contrast ratio
- Chromatically matched optical engines with additional DynaColor™ electronic color space transformations for elimination of channel-to-channel color variations
- Extended Contrast Ratio: Integrated, optical dimmer for use in night scenery and light output equalization
- Optional Constant Light Output (CLO) for continuous brightness tracking
- Optional linked CLO with linked DynaColor™

BARCO

Visibly yours

Technische Daten

Lichtstrom	1,500 up to 2000* ANSI lumen *Optional. For further information contact Barco.
Kontrast	>1300:1 (full white/full black)
Panel-Auflösung	1280 x 1024 (SXGA)
Lampe	200 W UHP lamp
Optiken	standard: 1.2 - 1.4 zoom lens Optional: 0.92 fixed lens 0.7 fixed lens
Eingangs-Frequenzen	Horizontal 15 kHz - 115 kHz Vertical 25 Hz - 150 Hz Synchronous display between 46-62 Hz
Eingänge/Ausgänge	<ul style="list-style-type: none"> • 1 x input for RGB / RGBS / RGSB / RGBHV (5xBNC) • 1 x VGA (D-15 connector)
Kompatibilität	The barcoReality SIM 4 is compatible with: <ul style="list-style-type: none"> - Image generators and electronic workstations with a resolution up to 1,600 x 1,200 pixels / 76 Hz - All computer graphics formats from XGA to UXGA - Most sources with a pixel clock up to 205 MHz
Kommunikation	<ul style="list-style-type: none"> - 2 x D9 connectors for RS232 In/Out - 1 x D9 connector for COM 800 - 1 x Mini-jack for wired remote control - 1 x IR receivers (front) - Optional: 1 x 10 Base T network connector
Leistungsaufnahme	350 Watts Power dissipation < 1200 BTU/h
Stromversorgung	Power factor pre-regulated SMPS 85-240 VAC, 50-60 Hz
Sicherheitsstandards	Compliant with UL1950 and EN60950
Elektromagnetische Interferenz	Complies with FCC rules & regulations, part 15 Class B and CE EN55022 Class B
Gewicht	20 kg / 44.1 lbs Shipping weight: 35 kg / 77.2 lbs