

SIM 5R

SXGA+ single-chip DLP projector for simulation and training



This dual lamp, single-chip SXGA+ DLP™ projector integrates Barco's unique WARP 6™ geometry correction technology and an impressive range of dedicated simulation functionalities to ensure the units operate together seamlessly in a display system: DynaColor eliminates channel-to-channel color variations, and CLO (Constant Light Output) ensures all projectors in a multi-channel system maintain the same brightness and contrast, independent of lamp life. Its unequalled flexibility makes the SIM 5R the easy upgrade path for existing simulators.

Increased training efficiency

- Optimal multi-channel geometry thanks to WARP 6 Advanced Geometry Distortion
- Inter-channel color matching with DynaColor
- Efficient seamless blending at high brightness levels thanks to proprietary electronical (ESEM) and optical (OSEM) blending
- Uniform brightness and contrast
- Uniform Dimming technology across channels
- Accurate images for night and dusk training
- Briefing and debriefing applications
- Optional Infitec+: dual eyepoint viewing

Lower operation and maintenance

BARCO

Visibly yours

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costs

- Budget-friendly, on-board input switching
- Dual lamp system - Easy lamp replacement
- Fast cross-system remote control
- Easy upgrade path for existing simulators

Product specifications**SIM 5R**

Resolution	SXGA+ (1400 x 1050)
Brightness uniformity	90% for the total screen
Contrast ratio	2,000:1 (full white/full black; influenced by choice of lens)
Display	1-chip 0.95" DarkChip3® DLP™ with BrilliantColor™ processing, SXGA+ resolution, 4:3 aspect ratio
Inputs	<ul style="list-style-type: none">■ 1x Component Video, RGBHV, RGBS or RGSB (5 BNC)&nbsp;■ 1x VGA (D15 connector)■ 1x DVI-D (Digital Visual Interface - Digital)■ 1x Composite Video (BNC) (optional)■ 1x S-Video (4-pin mini-DIN) (optional)
Compatibility	<ul style="list-style-type: none">■ All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats■ All currently proposed HDTV, extended and improved television standards (1080i, 720p)■ All computer graphics&nbsp;formats from VGA, SVGA, XGA, SXGA to UXGA (75 Hz)■ Apple Macintosh formats■ Electronic workstations with a resolution up to 1600 x 1200 pixels @75 Hz■ Most computer sources with a pixel clock up to 170 MHz■ DVI sources up to HDTV resolution
Scan Frequencies	Horizontal 10kHz - 150 kHz Vertical 30 Hz - 250 Hz
Lamp	2x 250 Watt UHP lamp, in lamp housing, pre-aligned for max. light output. Typical lifetime: 1,500 h/lamp Lamp warranty 750 hrs or 90 days, whichever comes first.
Optics	Sealed optical engine
Lens Shift	Max. vertical shift: -25% to +100% Horizontal shift up to 100% (depending on choice of lens, no shift on QCLD 0.85:1 lens)
Power consumption	Max. 680 Watt
Power Dissipation	Max. 2,500 BTU/hour
AC power	Power factor pre-regulated SMPS, 90-254 VAC / 50-60Hz
Weight	Net weight, body only: 13 kg / 28.5 lbs
Dimensions	Projector body with cable basket: W 415 mm (16.34") x H 195 mm (7.68") x D 565 mm (22.24") Without cable basket: D = 487 mm (19.17")
Safety Regulations	Compliant with ETL60950 and EN60950
Electromagnetic Interference	Compliant with FCC rules & regulations, part 15 CE EN55022 Class A and CCC