

SIM 5H

Compact 1080p HD projector for multi-channel setups



Barco's SIM 5H is the world's only single-chip DLP, 1080p HD projector designed specifically for multi-channel projection. It is a compact, cost-effective projector that blends effortlessly with a display system and offers the image detail needed for any type of simulation or virtual reality environment. For night training scenarios, the SIM 5H can be adapted for use with stimulated night vision goggles.

Multiple channels, one seamless image

The SIM 5H comes equipped with unique, Barco-engineered technology for multi-channel set-ups:

- **Optical edge blending** guarantees one continuous image with no seams and invisible blends, even in night scenes
- **Linked constant light output (CLO)** equalizes brightness levels across the entire display system and **DynaColor** technology ensures perfect color matching between channels
- **Advanced warping** enables geometrically correct projection across curved or spherical screen surfaces, without loss of pixels or image quality

Minimum maintenance needs, maximum uptime

Barco's compact SIM 5H is a perfect fit in any environment that requires a projection system with little maintenance needs. The SIM 5H's sealed optical engine prevents dust from entering its core and degrading image quality. Its dual-lamp system ensures uninterrupted uptime in case one lamp should go out, and also offers easy lamp replacement, minimizing both service needs and downtime, and extending its system lifetime to a great degree.

Easy-to-use control system

A system with several SIM 5H projectors is fully compatible with Barco's user-friendly xRACU display control, which allows the user to operate, calibrate and configure multiple projectors from a single hand-held controller.

BARCO

Visibly yours

SIM 5H technical specifications

Display capabilities	Contrast (max.)	
	2,000:1 (full field)	
	Resolution	
	Full HD (1,920 x 1,080)	
Chip technology	Chip technology	
	Single-chip DLP™ (RGRGB) with BrilliantColor processing	
Lamps	Lamp	
	2x 250 Watt UHP	
	Lamp lifetime (typical)	
1,500 hrs		
Dimensions	Weight	
	Body only: 14,8kg / 32,6 lbs	
	Height - width - length	
	195 x 415 x 487 mm	
7'67 x 16'33 x 19'18		
Lenses	Available zoom lenses	
	QCLD (1.1 - 1.3:1)	R9849860
	CLD (1.2 - 1.6:1)	R9849870
	CLD (1.6 - 2.4:1)	R9849880
	CLD (2.4 - 4.3:1)	R9849890
	Available fixed focal lenses	
QCLD (0.85:1) R9849860		
Features	Special features	
	Internal light sensor for constant light output	
	Constant Contrast Dimmer (20:1 dimming)	
	Advanced Edge Blending, optical and electronic	
	Warp geometry distortion engine inside	
	Sealed DLP engine, low maintenance design	
	Dual lamp system	
	TCP/IP and RS232 ports for remote control	

Inputs and outputs	Inputs	
	5-cable BNC: RBGHV or component	
	1x Composite video (BNC)	
	1x S-Video (on 4-pin mini DIN)	
	1x VGA (on D15)	
2x DVI-D		
Output		
1x DVI-D		
Communication ports		
RS232 in/out on D9		
RJ45 (10/100 Base-T Ethernet)		
Compatibility	Video	
	PAL, SECAM, NTSC signals	
	Composite, S-video, component or RGB formats	
	All current HDTV standards (720i, 720p, 1080i, 1080p)	
	Data	
All computer graphics formats up to QXGA @ 75Hz		
DVI sources with pixel clock up to 165MHz		
Analog sources with pixel clock up to 270MHz		
Safety	Safety regulations	
	Compliant with ETL60950 and EN60950	
	CE and CCC compliant	
Class A: FCC, part 15 and CE EN55022		
Power	AC power	
	100 - 240 VAC/50-60 Hz	
Max. power consumption		
680 Watt		
Order info	Order info	
	SIM 5H	R9040390
Dual lamp package		R9841823



R5990105 November 2007

DLP™ technology by Texas Instruments offers crystal clear images with superior quality. DLP is a trademark of Texas Instruments.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this product sheet can be found on www.barco.com.

APAC
7F, FenYang Road 138
200 031 Shanghai - China
Tel. +86 21 5465 5501
Fax +86 21 5465 5502

USA
600 Bellbrook Avenue
Xenia, OH 45385-4053
Tel. +1 (937) 372-7579
Fax +1 (937) 372-8645

Barco
Presentation & Simulation Division
contact.bps@barco.com

EMEA & ROW
Noordlaan 5
8520 Kuurne - Belgium
Tel. +32 56 36 82 11
Fax +32 56 36 85 26

BARCO

Visibly yours