

SIM 5H

1080p HD single-chip DLP projector for multi-channel training applications



Barco's SIM 5H projector combines a full 1080p HD resolution with Barco's unique multi-channel optimizations to create a sharp, seamless picture, no matter how many channels. **Cost-effective high-quality simulation**

Thanks to its reliable single-chip DLP technology, the compact SIM 5H offers a cost-effective way to have the image detail required for training applications such as maritime, flight, driving, gunnery and air traffic control (ATC) simulation. For night training scenarios, the SIM 5H can be easily adapted to work with stimulated night vision goggles.

Optimized for system integration

With the SIM 5H, there is no need to purchase extra peripherals for your multi-channel system because it is specifically designed for multi-channel set-ups and includes:

- **Edge blending** technology creates one continuous image without blurry overlap zones where projections converge.
- **DynaColor** and **linked constant light output (CLO)** ensure the same light and color levels across the entire screen.
- **Warping** (geometry correction) enables accurate projection from different angles and across spherical or curved surfaces.

High reliability

BARCO

Visibly yours

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Barco's SIM 5H projector guarantees a long system lifetime and stable, reliable operations due its sealed optical engine. This prevents dust from degrading its image quality, and helps ensuring that the SIM 5H is today's most cost-effective training and simulation projector available.

Product specifications**SIM 5H**

Resolution	1080p HD (1920x1080)
Contrast ratio	2,000:1
Brightness uniformity	90% for the entire screen
Inputs	<ul style="list-style-type: none">• 1x Component Video, RGBHV, RGBS or RGsB (5 BNC)• 1x VGA (D15 connector)• 2x DVI-D (Digital Visual Interface - Digital)• 1x Composite Video (BNC)• 1x S-Video (4-pin mini-DIN)
Outputs	1x DVI-D
Communication Port	RS232 in/out on RJ11 1x mini-jack for wired remote control 1x IR receivers RJ45 (10/100 Base-T Ethernet)
Compatibility	<ul style="list-style-type: none">• All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats• All currently HDTV standards (720i, 720p, 1080i, 1080p)• All computer graphics formats up to WUXGA (1920x1200)• Analog sources with pixel clock up to 270MHz• DVI sources with pixel clock up to 165MHz
Scan Frequencies	Horizontal 10kHz - 150 kHz Vertical 30 Hz - 250 Hz
Lamp	2x250 Watt UHP lamp
Lamp lifetime	1,500hrs (typical) 750hrs or 90 days, whichever comes first (warranted)
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	100 - 240 VAC / 50-60Hz
Weight	Net weight, body only: 14,8 kg / 32,6 lbs
Dimensions	H 195mm (7.67") x W 415mm (16.33") x L 487mm (19.18")
Safety Regulations	Compliant with ETL60950 and EN60950
Electromagnetic Interference	Compliant with FCC rules & regulations, part 15 CE EN55022 Class A and CCC