

# SIM 7H

## 1080p HD LCoS projector for training and simulation



Powered by LCoS technology, Barco's SIM 7H was specifically designed for flight, air traffic control, ship bridge and driving simulation.

### **Eye-limiting resolution without speed limits**

With its 1080p HD resolution, Barco's SIM 7H delivers razor-sharp images for the ultimate fidelity in simulation training. LCoS technology has the highest pixel-fill factor of all the current display technologies, and produces a smooth-as-silk picture with imperceptible gaps between pixels. Barco's unique smear reduction technology ensures that speed will not affect the SIM 7H's superior image quality, or result in flicker or breakup.

### **Ready for multi-channel action**

The SIM 7H comes equipped with Barco-engineered technologies that make it ready for multi-projector set-ups:

- **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.

Barco's SIM 7H projectors have the same footprint as the SIM 6 Ultra II,

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Visibly yours

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making them ideal for your upgrade solution. With a lower total cost of ownership than any other display system, Barco has ensured that cutting-edge LCoS technology is at your fingertips.

### **Back to black**

Barco's SIM 7H has an impressive dynamic contrast ratio of more than 1,000,000:1 for realistic dusk and night time scenes, and deep black levels. The SIM 7H's stimulated night vision capabilities are compatible even with generation 4 NVGs. What's more, the SIM 7H is the brightest LCoS training projector on the market.

## Product specifications

## SIM 7H

<b>Contrast ratio</b>	Dynamic Contrast Ratio: 1,000,000:1
<b>Resolution</b>	HD 1080 (1920x1080px)
<b>Brightness uniformity</b>	<90%
<b>Display</b>	1920x1080 LCoS, 16:9 aspect ratio
<b>Inputs</b>	<ul style="list-style-type: none"><li>• RGBHV</li><li>• 2 x Dual DVI inputs for up to 8bit image formats</li></ul>
<b>Compatibility</b>	• All current simulator formats up to 1080p HD
<b>Input Frequencies</b>	<ul style="list-style-type: none"><li>• Up to 16bit 330 MHz on Dual DVI</li><li>• Up to 275 MHz on RGBHV</li></ul>
<b>Lamp</b>	300 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.
<b>Optics</b>	3 panel optical engine for maximum optical color uniformity
<b>Lens Shift</b>	Vertical shift: -100% to +100% Horizontal shift: -50% to +50% (no shift on QSD 0.80:1 lens)
<b>Power consumption</b>	Normal operation: Max. 600W
<b>Power Dissipation</b>	Below 2100 BTU/h
<b>AC power</b>	85V – 255 V
<b>Weight</b>	27kg (60lbs) with lens
<b>Dimensions</b>	WxLxH: 370 x 555 x 270 mm (14.5 x 22 x 11 inch)
<b>Safety Regulations</b>	Compliant with UL 1950 and EN60950
<b>Electrical standard</b>	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A