

SIM 10

10 megapixel LCoS training and simulation projector



Barco's SIM 10 brings together the most forward-thinking technologies available in projection for training and simulation, to help achieve the most realistic image quality possible. The projector's impressive performance, including the ultra-high resolution, a dynamic contrast range of up to 10 million to one, and a brightness of up to 6,000 lumens, makes the SIM 10 ideal for flight training, virtual prototyping and design systems.

More pixels means more detail, which results in greater realism. As such SIM 10 is the best choice to build eye-limiting resolution systems. With the SIM 10 projector, pilots, operators and designers can never miss an essential detail again.

High-speed, high-quality imagery

Also in fast-paced training scenarios it is essential to notice every single detail. Barco's smearing reduction technology ensures that the SIM 10 can handle this intense imagery flawlessly.

Passing with flying colors

The SIM 10 carries warping technology on board, which results in a geometrically correct image across any type of curved surface, without the need for separate third-party devices. And when you use several projectors to create one image, the SIM 10 automatically equalizes color and brightness levels across the image - even when projectors or lamps are replaced. In this way, you have the same smooth image, free of disturbances, all the time.

Not alone in the dark

With a contrast ratio that can reach up to 10 million to 1 as well as an increased infra-red spectrum, the SIM 10 projector is ideal for simulated night and dusk training. It is completely compatible with all types night vision goggles, and produces realistic halo and blooming effects.

BARCO

Visibly yours

Product specifications**SIM 10**

Contrast ratio	Dynamic contrast ratio of up to 10,000,000:1
Resolution	4096x2400 (10 megapixel)
Brightness	Up to 6,000 lumens
Brightness uniformity	85% +/- 15%
Display technology	1.2" Generation2011 LCoS
Inputs	4 x dual-link DVI inputs for up to 16bit image formats
Compatibility	All current simulator formats up to 10 Mp
Input frequency	Up to 330 MHz per dual-link DVI
Lamp	2 kW xenon lamp, in lamp housing, pre-aligned for max. light output. Typical lifetime in economy mode: up to 1,800h Pro-rated lamp warranty
Optics	Two-story optical engine for outstanding color uniformity
Lens Shift	Vertical shift: -100% to +100% Horizontal shift: -50% to +50% (no shift on QXD 0.80:1 lens)
Power consumption	Normal operation: 3200W (Full power mode) / 2400W (Eco-mode)
Power Dissipation	Below 11000 BTU (Full power mode) / 8200 BTU (Eco-mode)
AC power	195V – 250 V
Dimensions (WxLxH)	670 x 800 x 365 mm (26 x 31 x 14 inch)
Safety Regulations	Compliant with UL 1950 and EN60950
Electromagnetic Interference	Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A