SIM 5W

WUXGA single-chip DLP projector for multi-channel applications

Barco's SIM 5W projector combines a full WUXGA resolution with Barco's unique multi-channel optimizations to create a sharp, seamless picture, no matter how many channels.

Multiple channels, one seamless image

The SIM 5W comes equipped with unique, Barco-engineered technology for multi-channel set-ups:
· **Electronic or optical edge blending** creates one continuous image across the entire screen, without blurry overlap zones, thanks to new alpha and beta planes
· **Linked constant light output** (CLO) and **constant contrast dimming** (CCD) equalize brightness levels across the entire display system
· **Linked DynaColor** technology ensures perfect color matching between channels
· **Bi-cubical warping** (geometry correction) ensures that an image is projected correctly, with an extremely high level of accuracy, across curved, non-flat surfaces

Compatibility with XDS Control Center software suite

Barco's SIM 5W can be integrated with Barco's multi-windowing XDS Control Center software suite. It supports both single and two-channel setups.

Minimum maintenance needs, maximum uptime

Barco's compact SIM 5W is a perfect fit in any environment that requires a projection system with little maintenance needs. The SIM 5W '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, minimizing both service needs and downtime, and extending its system lifetime to a great degree.

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Technical specifications

Contrast ratio	2,000:1 (full field with standard unit) 10,000:1 (with nigh vision goggle option) Full variable dynamic range up to 4,000,000:1
Resolution	WUXGA (1,920 x 1,200)
Display	Single-chip DLP with BrilliantColor processing
Lamp	2x 250 Watt UHP
Color wheel	RGBRGB
Lamp lifetime (typical)	3,000 hours
Weight	14,8 kg / 32,6 lbs (body only)
Dimensions (WxLxH)	415 x 487 x 195 mm / 16"33 x 19"18 x 7"67
Inputs	Layer 0: DVI-D input Layer 1: RGBHV or component, composite and S-video Layer 2: DVI-D, 1x VGA on D15 Layer 3: DVI-D (HDCP), 1x VGA on D15
Output	1x DVI-D
Communication Port	RS232 in on DB9 RJ45 (10/100 Base-T Ethernet)
Video	PAL, SECAM and 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 Regulations	Compliant with ETL60950 and EN60950 CE and CCC compliant Class A: FCC, part 15 and CE EN55022
AC power	100-240 VAC / 50-60Hz
Max Power Consumption	700 Watt
Special Features	- Internal light sensor for constant light output - Constant contrast dimmer (20:1 dimming) - Advanced edge blending (optical and electronic) - Standard full geometry correction - Support for single- or two-channel configurations with XDS Control Center software suite - Sealed DLP engine, low maintenance design - Dual lamp system - TCP/IP and RS232 ports for remote control