

# SIM 5W

## Compact WUXGA projector for multi-channel setups



Barco's SIM 5W is the world's only single-chip DLP, WUXGA projector designed specifically for multi-channel projection. It is a compact, cost-effective projector that offers the image detail needed for any type of simulation or virtual reality environment.

### 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 dimmer (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 total cost of ownership, 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 and improved lamp lifetime minimize both service needs and downtime, and reduce its **total cost of ownership (TCO)** to a great degree.

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# SIM 5W technical specifications

Display capabilities	<b>Contrast (max.)</b>	
	2,000:1 (full field) / 10,000:1 (with NVG option)	
	Variable dynamic range up to 4,000,000:1	
	<b>Resolution</b>	
Lamps	WUXGA (1,920 x 1,200)	
	<b>Chip technology</b>	
	Single-chip DLP™ (RGBRGB) with BrilliantColor processing	
	<b>Lamp</b>	
Dimensions	2x 250 Watt UHP	
	<b>Lamp lifetime (typical)</b>	
	3,000 hrs	
	<b>Weight</b>	
Lenses	Body only: 14,8kg / 32,6 lbs	
	<b>Height - width - length</b>	
	195 x 415 x 487 mm	
	7"67 x 16"33 x 19"8	
Lens shift	<b>Available zoom lenses</b>	
	QCLD (1.1 - 1.3:1)	R9849860
	CLD (1.2 - 1.6:1)	R9849870
	CLD (1.6 - 2.4:1)	R9849880
Features	CLD (2.4 - 4.3:1)	
	R9849890	
	<b>Available fixed focal lenses</b>	
	QCLD (0.85:1)	R9849860
Special features	Horizontal lens shift: 85% to -20%	
	Horizontal lens shift on QCLD zoom lens: 65% to -20%	
	Vertical lens shift: 115% to -20%	
	No lens shift on the QCLD fixed lens	
Internal light sensor for constant light output	<b>Special features</b>	
	Internal light sensor for constant light output	
	Constant contrast dimmer (20:1 dimming)	
	Advanced edge blending, optical and electronic	
Full geometry correction	Full geometry correction	
	Sealed DLP engine, low maintenance design	
	Dual lamp system	
	Supports one- and two-channel XDS Control Center setups	

Inputs and outputs	<b>Inputs</b>	
	Layer 0: Dedicated desktop input	
	Layer 1: 5-cable BNC: RBGHV, composite and S-video	
	Layer 2: DVI-D (non-HDCP), 1x VGA	
Compatibility	Layer 3: DVI-D (HDCP), 1x VGA	
	<b>Output</b>	
	1x DVI-D	
	<b>Communication ports</b>	
Safety	RS232 in/out on RJ9	
	RJ45 (10/100 Base-T Ethernet)	
	<b>Video</b>	
	PAL, SECAM, NTSC signals	
Power	Composite, S-video, component or RGB formats	
	All current HDTV standards (720i, 720p, 1080i, 1080p)	
	<b>Data</b>	
	All computer graphics formats up to QXGA @ 75Hz	
Order info	DVI sources with pixel clock up to 165MHz,	
	Analog sources with pixel clock up to 270MHz	
	<b>Safety regulations</b>	
	Compliant with ETL60950 and EN60950	
AC power	CE and CCC compliant	
	Class A: FCC, part 15 and CE EN55022	
	<b>Max. power consumption</b>	
	100 - 240 VAC/50-60 Hz	
700 Watt, 2390 BTU/hr	<b>Max. power consumption</b>	
	700 Watt, 2390 BTU/hr	
	SIM 5W	R9040395
	NVG option (only on QCLD 1.1-1.3:1 lens)	ROPT2242
	XDS Control Center	R9898420
	XDS Networked Desktop Sharing	R9898430
	XDS Extended Mouse & Keyboard Control	R9898450
	XDS Remote Control Center	R9898440
	XDS Videoconferencing Control	R9898460
	XDS Remote Administration	R9898480



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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.

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