

OV-515

50" SXGA+ DLP™ projection module



Barco's OV-D2 series integrate DLP™ technology into 50" video wall systems that are designed and optimized for use in a 24/7 mission critical environment. The Barco designed projection engine provides a set of unique features. The result is a DLP™ rear projection-system with outstanding picture quality, reliability and ease of use.

Superior display quality

- High-contrast DLP™ technology
- Brightness, contrast, and large viewing angles tailored to the human eye providing maximum readability
- Vibrant colors
- Sense⁶ technology providing consistently excellent video wall uniformity over time

Reliability and lifetime serviceability

- Engineered for ease of maintenance and serviceability
- Durable components with high reliability from lamp to screen
- Dual redundant lamp offering 100% reliability
- Easy lamp replacement from the rear of the system while system runs
- 100% sealed off optical engine, preventing dust contamination
- Fast Ethernet communication allowing redundant projection access for direct control and configuration
- Barco's Lamp-Lease Program allowing to efficiently control operational costs

BARCO

Visibly yours

0V-515

50" SXGA+ DLP™ projection module

Flexibility

- Designed to form video walls of any size, in a linear or curved setup
- Requires minimal installation depth
- Innovative modular concept for easier build up and design

Integrated system

- Barco Wall Control Manager software with central graphical overview of the video wall
- Integrating individual projection modules into a single display

Product specifications

OV-515

Resolution	SXGA+ (1400 x 1050px)		
Absolute resolution	36 dpi		
Brightness	325 (@120W) / 355 (@132W) / 485 (@180W) cd/m ²		
Luminous flux	1,000 @ 6,500K @ 132W		
On-screen contrast	5,100:1		
Color	100% EBU		
Display technology	Rear projection DLP		
White point	6,500K, natural lighting (special 3,200K option for backdrop)		
DMD chip	1400 x 1050px 0.95" ±12°tilt DarkChip3 BrilliantColor™ LVDS MTBF: 650,000 hours Lifetime: 100,000 hours		
Image retention	No image retention or burn-in		
Pixel accuracy	PixelTrue display, shows each pixel true to the input pixels without scaling or smoothing effects		
Screen gap	mullion: 0 mm interscreen gap: < 0.8 mm or 0 mm ZeroGap technology @ 25°C, 50% RH		
Light source	<ul style="list-style-type: none"> • Lamp redundancy: cold standby or hot standby with redundant power supply • Automatic lamps witch by autosensing lamp failure • Lamp replacement: defect lamp can be hot-swapped without image loss • Lamp switch: dynamic feedback of brightness and color readjust video wall to equal performance • Lamp switching time: < 1.5 seconds • I-lamp: intelligent lamp carries a.o. lamp life information & spectrum 		
Light source lifetime	120W: 10,000 hours 132W: 6,000 hours 180W: 6,000 hours (lamp manufacturer specs @ IEC 61947-1 test conditions)		
Color wheel	Color wheel cartridge with MTTR < 5 minutes 3x speed for better image representation Air bearing with rating of 50,000 hours		
AC power	100-240 VAC, 60-50Hz		
Power	(W)	Cold standby	Hot standby
	<i>120W</i>	< 250	< 390
	<i>132W</i>	< 275	< 430
	<i>180W</i>	< 335	< 550
Heat dissipation	(BTU/h)	Cold standby	Hot standby
	<i>120W</i>	< 850	< 1,325
	<i>132W</i>	< 900	< 1,375
	<i>180W</i>	< 1,145	< 1,875
Input/Output	1 x DVI-D in/out, 1 x Dual-link DVI-D in/out		
Pixel clock	162 MHz 270 MHz (On second input)		
Input frequency	Multi sync 30Hz-75Hz		
Genlock	49 – 61 Hz		
Supported resolutions	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, 1080p, dual XGA, triple XGA [*] , quad XGA [*] , dual SXGA+ On second input		
Cropping	Yes		
Scaling	Up- and down scaling (optional)		

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Barco Wall Control Manager	Graphical representation of video wall on operator PC Integrates separate video wall modules into a single display, allowing a.o. Sense ⁶ Client – server architecture provides central video wall logic with multiple access from multiple sites Health Status in the blink of an eye and support for trouble shooting Configuration of different settings Wall control by the operator Multiple access levels
Direct ethernet access	Projection module settings and control through standard ethernet browser. Easy and fast firmware upgrading over ethernet
Autodiagnosics	Low level projector self test
Integration to third party equipment	External video wall control from different devices through SOAP based API
Dimensions	<ul style="list-style-type: none">• Diagonal: 50" nominal• Width: 1,000 mm / 39.4"• Height: 750 mm / 29.5"• Full Depth: 734 mm / 28.9"• Aspect ratio: 4:3• Standard height 875 - 1,000 - 1,200 mm / 34.5" - 39.4" - 47.2"• Screen height (min) 455 mm / 17.9"• Weight: 65 kg / 143 lbs