

Overview mDG50-DL

50" dual lamp video wall system integrating DLP™ technology with XGA resolution.



Barco's OverView D series integrate cutting edge 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 an unrivaled DLP™ rear projection system with outstanding picture quality, reliability and ease of use.

Superior display quality

- latest high contrast DLP™ technology
- optimal brightness, contrast, color uniformity and large viewing angles
- Optical Dimming to reach equal luminance values without contrast loss or color depth on all screens
- Dynamic Feedback technology to maintain constant luminance over time

Reliability and lifetime serviceability

- dual redundant lamp allows you to rely 100% on your Barco display wall
- engineered for ease of maintenance
- dustfree overpressure design
- access to operation and service adjustments through IR remote control and an On-Screen Display
- easy lamp replacement from the rear of the system while system runs
- Barco's Lamp-Lease Program allows you to efficiently control operational costs

Flexibility

- designed to form display walls of any size, in a linear or curved setup

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OverView mDG50-DL

50" dual lamp video wall system integrating DLP™ technology with XGA resolution.

- /> requires minimal installation depth
- innovative modular concept

Product specifications

OverView mDG50-DL

Resolution	XGA (1024 x 768px)		
DMD chip	1024 x 768px 0.7" ±12° tilt DDR MTBF:650,000 hours Lifetime: 100,000 hours		
Number of used micromirrors	0.79 M		
Pixelshape	Square		
Aspect Ratio	4:3		
Lamp	<ul style="list-style-type: none"> • Lamp life (lamp manufacturer specs @ IEC 61947-1 test conditions): <ul style="list-style-type: none"> - 100 W: 2 x 10000 hours - 120 W: 2 x 6000 hours - 200 W: 2 x 2000 hours • Lamp modes: Hot stand-by, cold stand-by and Auto Switch mode • Lamp switching times: <ul style="list-style-type: none"> - After lamp switch: 0,5 seconds - After lamp failure: 1,5 seconds • Hot Standby-image reaches 50% brightness after lamp switch in less then 0.5 seconds 		
AC power	100-240 VAC, 60-50Hz		
Power		Cold standby	Hot standby
	<i>100 W</i>	190 W	285 W
	<i>120 W</i>	210 W	325 W
	<i>200 W</i>	290 W	520 W
Heat dissipation		Cold standby	Hot standby
	<i>100 W</i>	650 BTU/h	975 BTU/h
	<i>120 W</i>	715 BTU/h	1110 BTU/h
	<i>200 W</i>	1200 BTU/h	1850 BTU/h
Brightness	100W:550 ANSI Lumen 120W: 675 ANSI Lumen 200W:1125 ANSI Lumen		
Contrast	1300:1		
Brightness uniformity	90% Automated lamp alignment after lamp change for optimized color uniformity and brightness Active patent pending mechanism for brightness tolerancing reduction		
Dimming	Optical Dimming with Dynamic Feedback Brightness locking: 50-100% optical dimming range, without color shift, loss of contrast and loss of colordepth Image equalization: All display modules can be set to equal brightness and contrast		
Color	EBU color triangle White point: - 100W: 6500 K - 120W: 3200 K/6500 K - 200W: 3200 K/6500 K		
Inputs	Standard: Dual DVI-D Optional: - DVI-D in/out with support for dual XGA input timing 1024x1536 - OverView D Multi input module: DVI-D, DVI-I, Multi Sync RGB input (VGA upto UXGA), Video Input (PAL, NTSC, SECAM)		
Genlock	48 – 62 Hz		

Product specifications

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Dimensions structure

Diagonal: 50" nominal
Width: 1000 mm / 39.4 in.
Height 750 mm / 29.5 in.
Footprint 568 mm / 22.4 in.
Depth: 715 mm / 28.2 in.
Socket Height: 875 - 1000 - 1200 mm
Socket Height: (min) 455 mm / 17.9 in.