

MDSC-2124

Wide-screen HD surgical display



MDSC-2124 at a glance:

- 24" wide-screen LCD featuring full HD (1920 x 1200)
- Advanced image processing algorithms
- High brightness (500 cd/m²)
- Wide input connectivity for maximum flexibility
- Color accurate images at different viewing angles

Barco's 24-inch MDSC-2124 is a near-patient surgical display that uses wide-screen (16:10) LCD technology featuring full HD resolution (1920 x 1200). Thanks to the bright, high-resolution LCD panel, surgeons performing a surgical procedure using high-definition endoscopy cameras are presented with stunning panoramic views and improved depth perception. Featuring broad input connectivity, the MDSC-2124 offers a versatile display solution for HD endoscopy cameras, room and boom cameras, ultrasound, PACS and patient information.

The MDSC-2124 offers the fastest image transmission and the highest broadcast-quality imaging available today. Enhanced with Barco's outstanding image processing algorithms, such as motion adaptive de-interlacing and noise reduction, the MDSC-2124 delivers artifact- and lag-free images at all times.

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Technical specifications

LCD panel

Technology:	TFT Active Matrix LCD
Native resolution (H x W):	1920 x 1200
Active screen diagonal:	24 inches (611 mm)
Active screen area:	20.5 x 12.8 inches (518 x 324 mm)
Pixel pitch:	0.294 mm

Visual characteristics

Brightness:	500 cd/m ²
Contrast ratio (typical):	1000:1
Aspect ratio:	16:10
Viewing angle (CR>20):	178°
Response time:	8 ms (gray to gray)
Display functions:	Gamma, DICOM
Colors:	16.8 million

Connectivity and control

Standard inputs:	DVI-I, VGA (D15), RGBS (4BNC), S-Video, Composite video, Component video (4BNC) optional SDI/HD-SDI (BNC)(Input and active loop-through output)
Control:	RS232 (9pin D-sub) On Screen Display (OSD)

Supported resolutions:

- On composite, S-video and component inputs: PAL-Secam 576i, NTSC 480 i/p
- On DVI, VGA and RGBS inputs: VGA up to WUXGA, HDTV 720p and 1080 i/p
- On SD/HD-SDI input: 480i, 576i, HDTV 720p and 1080i

Features

Picture-in-Picture (PiP) / Picture-And-Picture (PAP)	
PACS imaging:	DICOM LUT (Look-Up-Table)
Video channel:	10-bit

Power requirements

External DC power supply:	90-264 VAC
Display:	20-24 VDC
Power consumption:	100 Watt max

Environmental

Operating temperature range:	41° to 104° F (0° to 40° C)
Humidity:	Max. 85%
RoHS:	Compliant

Physical characteristics

Cooling:	Fanless
Mounting:	100 mm VESA
Protection:	Anti-reflective protective front cover
Cable cover:	Built-in
Display dimensions (WxHxD):	22.9 x 15.5 x 4.3 inches (583 x 393 x 108 mm)
Display weight:	23.6 lbs (10,7 kg)

Approvals

Regulation compliance:	UL 60601-1, EN60601-1, CE, c-UL, KETI, PSE EMC, FCC-B, EN 60601-1-2, ICES-001, KETI, VCCI, CCC, IPX2
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Optional accessories	Table stand
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Request more information

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