

MDSC-2124

Wide-screen HD surgical display



MDSC-2124 at a glance:

- 24-inch full HD LCD (1920 x 1200)
- High brightness (400 cd/m²)
- Extensive input connectivity
- Flexible Picture-in-Picture capabilities
- Advanced image processing
- Color accurate images from a wide viewing angle
- Sealed display housing
- Medical safety & EMC approvals

The Barco MDSC-2124 is a 24-inch near-patient surgical display featuring a wide (16:10) LCD screen with full HD resolution. Thanks to the professional, high-bright and high-contrast LCD technology, surgeons using an HD endoscopy camera are presented with accurate panoramic views and improved depth perception, even from a wide viewing angle.

The MDSC-2124 delivers the fastest image reproduction and the highest broadcast quality images available today. Enhanced with powerful image processing algorithms, such as motion adaptive de-interlacing and noise reduction, the MDSC-2124 provides artifact- and lag-free images at all times.

Extensive digital and analog video input options make the multi-modality MDSC-2124 ideally suited for HD endoscopy cameras, room and boom cameras, ultrasound, PACS and patient information. The display's sealed design complies with the stringent patient safety requirements of sterile OR environments.

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Technical specifications

LCD panel

Technology:	TFT Active Matrix LCD
Native resolution (H x W):	1920 x 1200
Active screen diagonal:	24.1 inches (613 mm)
Active screen area:	20.4 x 12.8 inches (518.4 x 324 mm)
Pixel pitch:	0.270 mm x 0.270 mm

Visual characteristics

Brightness:	400 cd/m ²
Contrast ratio (typical):	1000:1
Aspect ratio:	16:10
Viewing angle (CR>10):	178°/178°
Response time:	5 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, SD Component video (4BNC)
Optional inputs:	SDI/HD-SDI (BNC)(Input and active loop-through output) DVI0 (DVI optical)
Control:	RS232 (9-pin D-sub) GPIO On Screen Display (OSD)

Supported resolutions:

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

Features

Picture-in-Picture (PiP) / Picture-And-Picture (PAP):	Free scalling, sizing and positioning of image windows Store and recall window layouts
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User profiles

Power requirements

External DC power supply:	90-264 VAC (50-60Hz), medical approved
Display:	20-24 VDC
Power consumption:	120 W max

Environmental

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

Physical characteristics

Housing:	Sealed, no ventilation holes
Mounting:	VESA 75 & 100
Protection:	Full-size anti-reflective acrylic front cover
Display dimensions (WxHxD):	590 x 517 x 108 mm (23.2x 20.3 x 4.2 inches)
Display weight:	10,9 kg (24.0 lbs)

Approvals

Emission:	EN 60601-1-2; FCC-B; ICES-001
Safety:	CE EN60601-1; UL 60601-1; C-UL; MDD 93/42/EEC Class I

Optional accessories Table stand



Request more information

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Technical specifications are subject to change without prior notice

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