

MDSC-8258

Slimline 58-inch Quad HD surgical display



The MDSC-8258 is a slimline, large-screen surgical display with LED backlight, featuring a 58-inch LCD panel (16:9) with Quad HD resolution (3840 x 2160).

Perfect images in the surgical suite

The MDSC-8258 has been designed for use in hybrid operating rooms, interventional X-ray and cardiovascular suites. The MDSC-8258 delivers accurate DICOM-compliant grayscale and color images with ultra-low latency, making it the preferred choice for real-time critical imaging.

Reliable and safe performance

The large-size, ultra high-resolution LCD screen offers a safer and more efficient alternative to multi-monitor configurations deployed in surgical environments. The optional configuration with a redundant power supply architecture (RL) ensures stable and reliable operation in the most critical conditions.

Benefits:

- Ultra-high resolution (3840 x 2160 pixels)
- Long-life, low-power LED backlight
- Versatile input configurations (2 sets of 2 x Dual-Link DVI inputs)
- High brightness, high contrast ratio, low-latency video processing
- Slim and lightweight design; medical-grade compliance

BARCO

Visibly yours

Product specifications**MDSC-8258**

Display technology	SMVA
Active area	1270 x 721 mm
Resolution	QFHD
Pixel density	3840 x 2160 Pixels x 3 colors
Aspect Ratio	16:9
Brightness	700 cd/m² typical
Contrast ratio	4000:1 (max.)
Response time	8.5 ms typical
Color depth	10 bit
Viewing angle	176° (H) , 176° (V) typical
Surface treatment	Anti-glare coating (haze 1%)
Color gamut	9300 K / 72% NTSC
Optical Transfer Function	NATIVE / DICOM / COLOR / USER LUT
Color temperature	From 2000 K to 12000 K (with COLOR Transfer Function selected)
Gamma curve	Adjustable from 1.4 to 3.2 (with COLOR Transfer Function selected)
Frame rate	60 Hz
Video inputs	2 x Dual Dual-Link DVI, selectable
Local Control	Keypad (5 keys, OSD assisted)
Remote Control	Serial RS-232 (D-Sub9) or Serial Link over Ethernet (RJ45) selectable
Versions	MDSC-8258 L: without glass and without redundant power supply MDSC-8258 RL: without glass and with redundant power supply MDSC-8258 RLG: with glass and with redundant power supply
Power input	100 - 240 Vac 50 / 60Hz
Power consumption	500 W typical (operating) 30 W typical (stand-by)
Operating temperature	+ 0 to +35 °C (operating) -20 to +60 °C (storage)
Operating humidity	Less than 90% RH (operating) Less than 95% RH (storage)
Dimensions	Width: 1318 mm Height: 776 mm Depth: 146 mm
Weight	48 kg (L version) 49 kg (RL version) 58 kg (RLG version)
Mounting	VESA 400
Approvals	IEC 60601-1, IEC 60601-1-2, EN 55011 - Class A, CISPR11 - Class A, EN55024, CISPR24, C-UL-US, FCC, Demko, CE