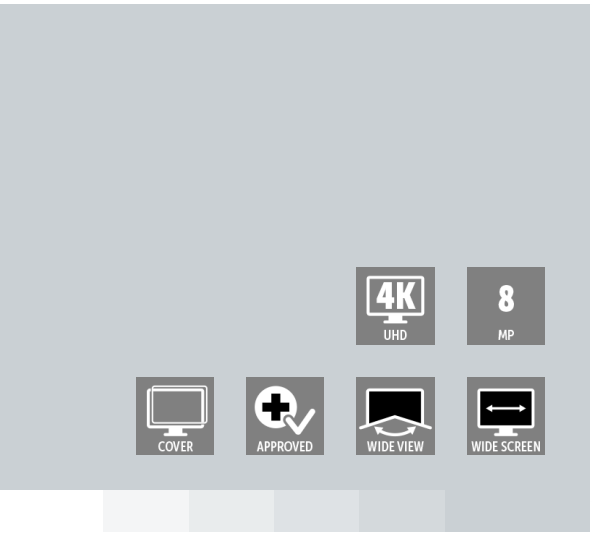
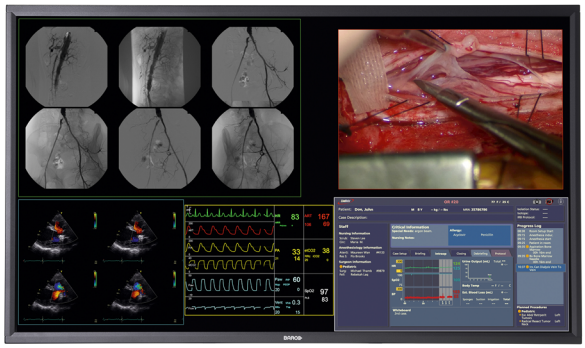
MDSC-8358

4K UHD surgical display





- **For perfect hand-eye coordination**
- **Flexible multi-modality imaging**
- **Exceptional image quality**

The MDSC-8358 is a slimline, large-screen surgical display with LED backlight, featuring a 58-inch LCD panel (16:9) with UHD resolution (3840 x 2160).

Perfect images in the surgical suite

The MDSC-8358 has been designed for use in hybrid operating rooms, interventional X-ray and cardiovascular suites. The MDSC-8358 delivers accurate DICOM-compliant grayscale and color images with ultra-low latency, consistent colors, and reduced noise, making it the preferred choice for real-time critical imaging.

All-around connectivity

Allowing DP, Dual Link DVI and Single Link DVI interfacing, Barco's MDSC-8358 offers a host of connectivity options, making it compatible with a large variety of OR and interventional X-ray video systems.

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.

The failover function allows automatic switchover to back-up video signals to ensure smooth, real-time imaging in the OR and safeguard patient safety at all times.

PRODUCT SPECIFICATIONS	MDSC-8358
Screen technology	a-si TFT active matrix
Active screen size (diagonal)	1473 mm (58.0")
Active screen size (H x V)	1270.08 x 721.44 mm (50 x 28.4")
Aspect ratio (H:V)	16:9
Resolution	8MP (3840 x 2160)
Pixel pitch	0.33075 mm (H) x 0.334 mm (V)
Color imaging	Yes
Color support	16 million
Viewing angle (H, V)	178°
Maximum luminance	700 cd/m^2 (typical)
Contrast ratio	4000:1 (typical)
Response time	9.5 ms (typical)
Housing color	Black
Video input signals	DVI Dual link (Full screen image with 2 x DVI Inputs) DVI Single Link (Full screen image with 4 x DVI inputs or 4 Quadrant Drive from 4 Indipendent sources) DP 1.2 SST (Full Screen image; 4k native or 2k upscale) Option: Nexxis MNA-240 Decoder (for uncompressed video-over-IP) Option: 2 x Single Link DVI Dual Splitter for redistribution of auxiliary video input (see User Guide)
Special Features	Failover: Signal from DVI inputs automatically displayed in case of absence of DP / Nexxis signals
Power requirements (nominal)	90 ÷ 264 Vac 50Hz/60Hz
Power consumption	400 W (maximum)
Power consumption	35 W (stand-by)
Power save mode	Yes
Dot clock	260 MHz DVI dual link (preferred)
Dimensions (W x H x D)	Version w/o front glass: 1318.5 x 776 x 145.8 mm Version with front glass: 1326.5 x 778 x 153.7 mm
Dimensions packaged (W x H x D)	1540 x 413 x 940 mm
Net weight	45.5 – 57.5 kg (depending on version)
Net weight packaged	68.5 -83 kg (depending on version)
Mounting standard	VESA (400 mm)
Screen protection	Protective, non-reflective glass cover, on specific versions (refer to User Guide)
Recommended modalities	Endoscopy, Laparoscopy, PACS, PM, US, CT, MR
Certifications	MDD 93/42/EEC, amended by 2007/47/EC Class I; EN60601-1(Ed.3) + A1:2013 +A12:2014; IEC60601-1(Ed.3) + A1:2012 ANSI/AAMI ES60601-1(Ed.3) + A1:2012; C1:2009/(R)2012 and A2:2010/(R)2012; CSACAN/CSA-C22.2NO.60601-1:14; IEC/EN60601-1-2:2014; EN55011/CISPR11 (Class A)
Supplied accessories	User Guide
Warranty	2 years
Operating temperature	10-35°C for performance / 0-40°C for safety
Storage temperature	-20 ÷ +60°C
Operating humidity	10 ÷ 90% (non-condensing)
Storage humidity	10 ÷ 90% (non-condensing)
Operating altitude	3000m (maximum)
Storage altitude	12000m (maximum)

Last updated: 17 Sep 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.