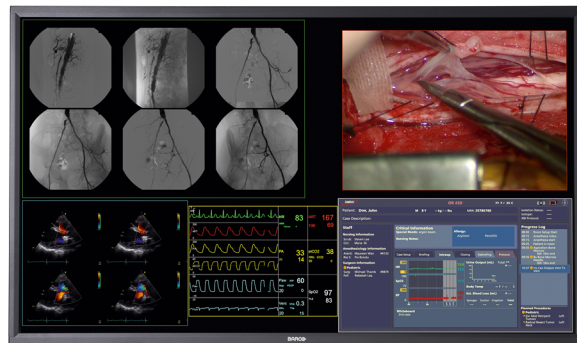
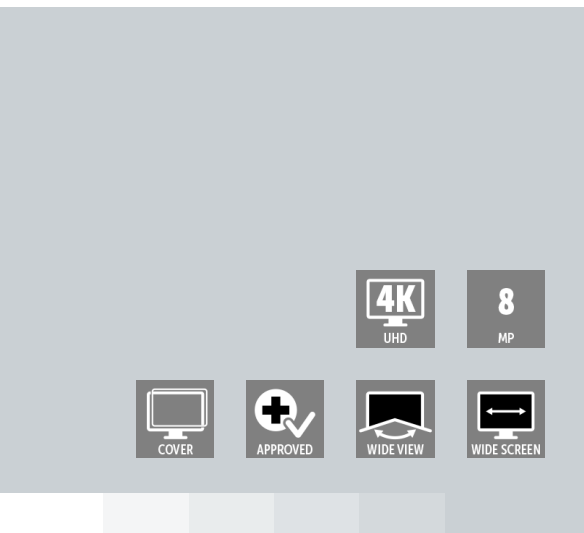


# MDSC-8358

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 <sup>2</sup> (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)<br>DVI Single Link (Full screen image with 4 x DVI inputs or 4 Quadrant Drive from 4 Independent sources)<br>DP 1.2 SST (Full Screen image; 4k native or 2k upscale)<br>Option: Nexxis MNA-240 Decoder (for uncompressed video-over-IP)<br>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<br>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                  | CE (Medical Device Class I); EN60601-1(Ed.3) + A1:2013 +A12:2014; IEC60601-1(Ed.3) + A1:2012<br>ANSI/AAMI ES60601-1(Ed.3) + A1:2012; C1:2009/(R)2012 and A2:2010/(R)2012; CSACAN/CSA-<br>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: 16 Apr 2020**Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.