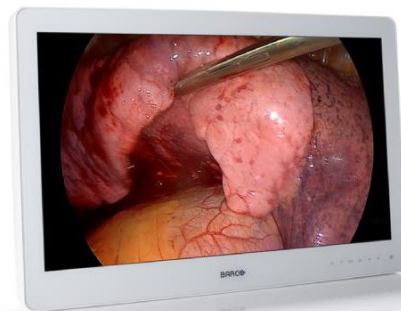


# MDSC-2326

Full HD surgical display



- For the best hand-eye coordination
- Allows for easy cleaning and disinfection
- Works with Nexxis for video-over-IP integration

Barco's MDSC-2326 is a 26-inch, near-patient surgical display with LED backlight. Next to the renowned image quality of the MDSC-2226, the new scratch-resistant, high quality optical glass offers durable protection throughout the display's lifetime.

#### Ease of mind

##### Calibrated, artifact-free images

The display's stabilized brightness, high contrast and calibrated colors provide surgeons with excellent depth perception and the most accurate images from FHD endoscopy camera systems.

##### Multi-source, multi-display imaging

With its broad input connectivity, the MDSC-2326 offers flexible multi-modality imaging (PiP & PaP) in new integrated operating rooms. Featuring an integrated Barco Nexxis decoder (optional) it offers the most convenient visualization solution for uncompressed video-over-IP without delay.

##### Safety, stability and redundancy

Thanks to its LED backlight with light output stabilization, the display ensures lifetime-long performances and image consistency. It also offers a unique, automated failover feature so a backup signal is always available to ensure safe surgery

##### Ease of installation

The MDSC-2326 comes with a smart cable management system that hides the cables for a clutter-free set-up. Its lightweight design allows easy mounting on surgical booms and spring arms.

##### Ease of use

Barco's MDSC-2326 allows for easy cleaning and disinfection thanks to its smooth

surface, splash-proof housing (front protection level IP45). It comes with a highly durable, scratch-resistant front glass featuring excellent optical performance.

Barco's MDSC-2326 features:

- 26" wide-screen LCD
- Full HD resolution (1,920 x 1,080)
- High-bright LED backlight with output stabilization
- Wide viewing angle thanks to IPS-Pro LCD technology
- 10-bit image processing
- Artifact-free images
- Calibrated, consistent colors and grayscales
- Easy-clean design with sealed front (IPX5)
- Smart cable management system

**PRODUCT SPECIFICATIONS****MDSC-2326**

|                                     |   |
|-------------------------------------|---|
| Screen technology                   | TFT AM LCD  |
| Active screen size (diagonal)       | 661 mm (26.0")  |
| Active screen size (H x V)          | 576 x 324 mm (22.7" x 12.8")  |
| Aspect ratio                        | 16:9  |
| Resolution                          | 2MP (1920 x 1080)   |
| Pixel pitch                         | 0.300 mm  |
| Color support                       | 1073 million (10-bit)   |
| Viewing angle                       | 178° (panel typical)  |
| Maximum luminance                   | 500 cd/m <sup>2</sup> (panel typical)<br>400 cd/m <sup>2</sup> 'stabilized @6500K & ITU-709   |
| Contrast ratio                      | 1400:1 (panel typical)  |
| Response time (Tr + Tf)             | 18 ms (typical)   |
| Housing color                       | White RAL 9003  |
| Video inputs                        | MDSC-2326 LED<br>DVI-I (Digital & Analog – HDMI support)<br>3G-SDI(1x BNC)<br>DisplayPort 1.1a<br>Component Video RGBS / YPbPr (4xBNC)<br>S-video (4-pin Mini DIN)<br>Composite video / SOG (1xBNC)<br><br>MDSC-2326 DDI<br>DVI-I (Digital & Analog – HDMI support)<br>DVI-D<br>2x 3G-SDI(2x BNC)<br>DisplayPort 1.1a<br>Component Video RGBS / YPbPr (4xBNC)<br>S-video (4-pin Mini DIN)<br>Composite video / SOG (1xBNC)<br><br>MDSC-2326 MNA<br>Same as MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP) |
| Video outputs                       | DVI-D<br>S-video (4-pin Mini DIN)<br>Composite video (1x BNC)<br>3G-SDI (BNC) / DDI version: 2 x 3G-SDI   |
| Power requirements (nominal)        | Power source for external power supply: 100 – 250 VAC / 47-63 Hz auto-switch<br>Power source for display power input: +24 VDC / 2.5A  |
| Power consumption                   | 50W max (LED and DDI version)<br>75W max (MNA version)  |
| Power management                    | DVI-DMPM states supported<br>Power On state<br>Active-Off state   |
| Dot clock                           | 165 MHz max (DVI)   |
| Gamma curve                         | Native, 1.8, 2.0, 2.2, 2.4, DICOM   |
| OSD languages                       | English, French, German, Spanish, Italian   |
| Dimensions w/o stand (W x H x D)    | 640 x 419 x 87 mm (25.2 x 16.5 x 3.4")  |
| Dimensions power supply (W x H x D) | 210 x 103 x 52 mm (8.27 x 4.06 x 2.05")   |
| Net weight w/o stand                | 9.4 kg (20.7 lbs) (LED and DDI version)<br>9.8 kg (21.6 lbs) (MNA version)  |
| Net weight power supply             | 1.5 kg (3.31 lbs)   |

**PRODUCT SPECIFICATIONS****MDSC-2326**

|  |  |
|--|--|
| <b>Net weight packaged w/o stand</b>       | 12.5 kg (27.6 lbs) (LED and DDI version)<br>12.9 kg (28.4 lbs) (MNA version)   |
| <b>Power supply DC output cable length</b> | 2.5 m (8.2 ft)   |
| <b>Mounting standard</b>                   | VESA (100 x 100 mm)  |
| <b>Screen protection</b>                   | Protective, non-reflective glass cover   |
| <b>Recommended modalities</b>              | Endoscopy, Laparoscopy, PACS, PM, US, CT, MR   |
| <b>Certifications</b>                      | CE (Medical Device Class I)<br>ANSI/AAMI ES 60601-1:2005; A1:2012 – Med. El. Equip., Part 1: general req. for basic safety and essential performance<br>CAN/CSA-C22.2 No. 60601-1: 2014 Medical Electrical Equipment – Part 1: General Requirements for Basic Safety and Essential Performance (Adopted IEC 60601-1:2005, third edition, 2005-12)<br>IEC 60601-1: 2005 + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (Medical electrical equipment – Part 1: General requirements for basic safety and essential performance)<br>EN 60601-1: 2006 + A1:2013 + A12:2014 (Medical electrical equipment". Part 1: General requirements for safety)<br>INMETRO |
| <b>Supplied accessories</b>                | 1x DVI-D video cable<br>1x printed User Guide (English)<br>1x documentation disc, containing all translations of the User Guide<br>1x external power supply<br>4 screws, 4 dented washers and an Allen key<br>Mains cables   |
| <b>Optional accessories</b>                | Barco stand (K9302097A)<br>Power extension cable 10m (K3495066)<br>Power extension cable 30m (K3495068)  |
| <b>Warranty</b>                            | 3 years  |
| <b>Operating temperature</b>               | 10 ~ 35°C for performance / 0 ~ 40°C for safety  |
| <b>Storage temperature</b>                 | -20 ~ +60°C  |
| <b>Operating humidity</b>                  | 10 ~ 90% (non-condensing)  |
| <b>Storage humidity</b>                    | 10 ~ 90% (non-condensing)  |
| <b>Operating altitude</b>                  | 3000 m max   |
| <b>Storage altitude</b>                    | 12000 m max  |

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.