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 / IPS-PRO technology / LED backlight
Active screen size (diagonal)	661 mm (26")
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	0.3 mm
Color support	1,073 million (10 bit)
Viewing angle	178° Hor / 178° Ver
Maximum luminance	Max: 500 cd/m^2 (typ.) @6500K : 400 cd/m2 stabilized (typ.) X-ray setting: 400 cd/m2 stabilized (typ.)
Contrast ratio	1400:1 (Typ.)
Response time	T on + T off = 18 msec (typ.)
White point	Calibrated: 5600K, 6500K, 7600K, 9300K
Gamma curve	Native, 1.8, 2.0, 2.2, 2.4, DICOM
Front protection screen	2-side, scratch-resistant AR alkali-aluminosilicate glass
Keyboard	Capacitive 7-key touch Keyboard
Video inputs	MDSC-2326 LED DVI-I (Digital & Analog – HDMI support) 3G-SDI(1x BNC) DisplayPort 1.1a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC) MDSC-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D 2x 3G-SDI(2x BNC) DisplayPort 1.1a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC) MDSC-2326 MNA Same as MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP)

PRODUCT SPECIFICATIONS	MDSC-2326
Video outputs	DVI-D S-video (4-pin Mini DIN) Composite video (1x BNC) 3G-SDI (BNC) / DDI version: 2 x 3G-SDI
Features	Picture-in-Picture, Failover mode
Remote control	RS-232 (D-sub 9-pin)
Power requirements (nominal)	MDSC-2326 LED: 50W / 24V ± 10% MDSC-2326 DDI: 50W / 24V ± 10% MDSC-2326 MNA: 75W / 24V ± 10%
External power supply	AC input: 100 – 240 VAC / 47-63 Hz auto-switch DC output: +24 VDC / 6 A
Dimensions w/o stand (W x H x D)	640 x 419 x 87 mm (25.2 x 16.5 x 3.4")
Net weight w/o stand	9.4 kg / 20.7 lbs (MDSC-2326 LED / MDSC-2326 DDI) 9.8 kg / 21.6 lbs (MDSC-2326 MNA)
Net weight packaged w/o stand	12.5 Kg / 27.6 lbs (MDSC-2326 LED / MDSC-2326 DDI) 12.9 Kg / 28.4 lbs (MDSC-2326 MNA)
Mounting standard	100 x 100 mm VESA
Mounting standard	Operating: 0° -35° C Storage: -20° -50° C
Mounting standard	Operating: 10% – 85% R.H. Storage: 5% – 85% R.H.
Regulation Compliance	IEC60601 3rd Ed.; amend. 1 Approvals/Marking: CE, C-UL-US, DEMKO, CCC, INMETRO, EAC Safety (Medical equipment): EN60601-1, UL60601-1, CAN/CSA C22.2 No. 60601-1-08 Electromagnetic compatibility: EMC Medical standards: IEC60601-1-2, EN55011 /CISPR 11, FCC CFR47 part 15 & 18/Class B (MDSC-2326 DDI), Class A (MDSC-2326 MNA)
Protection rating	IP21 (IP45 front side)
Warranty	3 years
Green compliance	ROHS-2, REACH, WEEE

Last updated: 18 Oct 2018

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