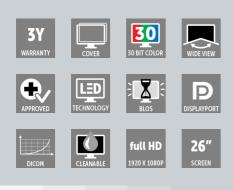
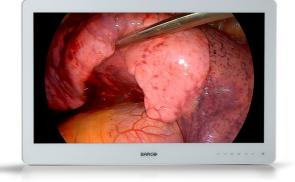


Full HD surgical display





- 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

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/m² (panel typical)           Maximum luminance         500 cd/m² (panel typical)           Response time (Tr + Tf)         18 ms (typical)           Housing color         White RAL 9003           Video inputs         MDSC-2326 LED DVH-1(Digital & Analog – HDMI support) D3G-DDIL BNC)           Soriget X = Component Video RGS / YP⪻ (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (LRINC)           MDSC-2326 EDD DVH-1 (Digital & Analog – HDMI support) DVHD           DVH-D         2x 3G-SDIL2 BNC)           DVH-D         2x 3G-SDIL2 BNC)           DVH-D         Savideo (4-pin Mini DIN) Composite video / SOG (LRINC)           MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP)           Video outputs         DVH-D           Savideo (4-pin Mini DIN) Composite video / SOG (LRINC)           MDSC-2326 DDI DVH-(Digital & Analog – 1 HDMI blNL) Composit
Active screen size (H × 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/m² (panel typical)         Maximum luminance       500 cd/m² (sabilized (6500K 6 ITU-709         Contrast ratio       1400.1 (panel typical)         Response time (Tr + Tf)       18 ms (typical)         Housing color       White R4.9003         Video inputs       MMSC-2326 LED DVI-I (Digital & Analog – HDMI support) 3G-SD(12 BNC)         Scylical & Analog – HDMI support)       Scylical & Analog – HDMI support)         Scylical & Analog – HDMI support)       DVI-D 2x 3G-SD(12 BNC)         DVI-D       Scylical & Analog – HDMI support)         DVI-D
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/m² (panel typical)       Maximum luminance     500 cd/m² (panel typical)       Contrast ratio     1400.1 (panel typical)       Response time (Tr + Tf)     18 ms (typical)       Housing color     White RAL 9003       Video inputs     MDSC-2326 LED DVI-1 (Digital & Analog – HDMI support) 3G-SDI(1x BNC)       Scylast video / SOG (txBNC)     Component Video RGBS / YPbPr (4xBNC) Scylast video / SOG (txBNC)       DVI-1 (Digital & Analog – HDMI support) DVI-1 (Digital & Analog – HDMI support) DVI-0       Zx: Gr-SDI(1x BNC)     DVI-0       Zx: Gr-SDI(1x BNC)       DVI-0     2x: 3G-SDI(1x BNC)       Sc-2326 KNA     Same as MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP)       Video outpu
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/m² (panel typical) 400 cd/m² (stabilized @6500K & ITU-709           Contrast ratio         14001 (panel typical)           Response time (Tr + Tf)         18 ms (typical)           Housing color         White RAL 9003           Video inputs         DVI-1 Digital & Analog - HDMI support) 3G-SD(1x BNC)           DVI-1 Digital & Analog - HDMI support) 3G-SD(1x BNC)         S-video (4-pin Mini DIN) Composite video / SOG (txBNC)           DVI-1 Digital & Analog - HDMI support) DVI-1 Digital & Analog - HDMI support) DVI-2 x 3G-SD(1x BNC)           MDSC-2326 DDI DVI-1 Digital & Analog - HDMI support) DVI-0 Svideo (4-pin Mini DIN) Composite video / SOG (txBNC)           MDSC-2326 MNA Same as MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP)           Video outputs         DVI-0 Svideo (4-pin Mini DIN) Composite video (tx BNC)
Pixel pitch         0.300 mm           Color support         1073 million (10-bit)           Viewing angle         178" (panel typical)           Maximum luminance         500 cd/m² (panel typical) 400 cd/m² (stabilized @6500K & ITU-709           Contrast ratio         1400-1 (panel typical)           Response time (Tr + Tf)         18 ms (typical)           Housing color         White RAL 9003           Video inputs         DV+I (Digital & Analog – HDMI support) 3G-SDI(1x BNC) DisplayPort 1.a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)           MDSC-2326 DI DV-I (Digital & Analog – HDMI support) DV-ID         DV-E (SAIS) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)           Wideo outputs         MDSC-2326 DI DV-I (Digital & Analog – HDMI support) DV-ID           Video outputs         MDSC-2326 DI DV-I (Digital & Analog – HDMI support) DV-ID           Video outputs         MDSC-2326 DI DV-I (Digital & Analog – HDMI support) DV-ID           Video outputs         DV-D S-x36-SDI(2x BNC)           MDSC-2326 LED + 1x Fiber Optic SFP+ (for uncompressed video over IP)           Video outputs         DV-D S-video (4-pin Mini DIN) Composite video (1x BNC)
Color support     1073 million (10-bit)       Viewing angle     178* (panel typical)       Maximum luminance     500 cd/m² (panel typical) 400 cd/m² (panel typical)       Contrast ratio     1400.1 (panel typical)       Response time (Tr + Tf)     18 ms (typical)       Housing color     White RAL 9003       Video inputs     MDSC-2326 LED DVI+ (Digital & Analog – HDMI support) 3G-50[Jut 8 MC) DisplayPort 11a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)       MDSC-2326 DDI DVI+ (Digital & Analog – HDMI support) 3G-50[Jut 8 MC) DisplayPort 11a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)       MDSC-2326 DDI DVI+ (Digital & Analog – HDMI support) DVI-D 2x 3G-50[Jut 8 MC) DisplayPort 11a 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)       Video outputs     DVI-D S-video (4-pin Mini DIN) Composite video (1x BNC)
Viewing angle       178* (panel typical)         Maximum luminance       500 cd/m² (panel typical) 400 cd/m² (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 DVI-1 (Digital & Analog - HDMI support) 3G-SDI(tx BNC) DisplayPort 1.1a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)         MDSC-2326 DDI DVI-1 (Digital & Analog - HDMI support) 3G-SDI(2x BNC) DisplayPort 1.1a Composite video / SOG (1xBNC)         MDSC-2326 DDI DVI-1 (Digital & Analog - HDMI support) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)         MDSC-2326 DDI DVI-10         2xx 3G-SDI(2x BNC) DisplayPort 11a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)         MDSC-2326 IED + 1x Fiber Optic SFP+ (for uncompressed video over IP)         Video outputs       DVI-D S-video (4-pin Mini DIN) Composite video (1x BNC)
Maximum luminance     500 cd/m² (panet typical) 400 cd/m² (stabilized @6500K & ITU-709       Contrast ratio     1400.1 (panet typical)       Response time (Tr + Tf)     18 ms (typical)       Housing color     White RAL 9003       Video inputs     MDSC-2326 LED DVI-I (Digital & Analog – HDMI support) 3G-SDILX BNC) DisplayPort 11a 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     MDSC-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D       VI-D     2x G-SDI(2x BNC)       DSI-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D       DVI-D     2x G-SDI(2x BNC)       DSI-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D       DVI-D     2x G-SDI(2x BNC)       DSI-2326 DI     DVI-1 (Digital & Analog – HDMI support) DVI-D       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)       Video outputs     DVI-D S-video (4-pin Mini DIN) Composite video (1x BNC)
400 cd/m² istabilized (a6500K & 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 DVI-I (Digital & Analog – HDMI support) 3G-SDI(Ix BNC) DisplayPort 11a Component Video / SOG (1xBNC)         MDSC-2326 DDI DVI-I (Digital & Analog – HDMI support) 3G-SDI(Ix BNC)       Svideo (4-pin Mini DIN) Composite video / SOG (1xBNC)         MDSC-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D 2x 3G-SDI(2x BNC)       MDSC-2326 DDI DVI-I (Digital & Analog – HDMI support) DVI-D 2x 3G-SDI(2x BNC)         DVI-D Svideo (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)         Video outputs       DVI-D Svideo (4-pin Mini DIN) Composite video / SOG (1xBNC)
Response time (Tr + Tf)       18 ms (typical)         Housing color       White RAL 9003         Video inputs       MDSC-2326 LED DVH (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 DVH (Digital & Analog – HDMI support)         DVI-D       2x 3G-SDI(2x BNC)         DVI-D       2x 3G-SDI(2x BNC)         DisplayPort 1.1a       Composite video / SOG (1xBNC)         MDSC-2326 DDI DVH (Digital & Analog – HDMI support)       DVI-D         2x 3G-SDI(2x BNC)       DisplayPort 1.1a         Composite video / SOG (1xBNC)       MDSC-2326 DDI         DVI-D       2x 3G-SDI(2x BNC)         DisplayPort 1.1a       Composite video / SOG (1xBNC)         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)         Video outputs       DVI-D         S-video (4-pin Mini DIN)       Composite video (1x BNC)
Housing color     White RAL 9003       Video inputs     MDSC-2326 LED DVI-I (Digital & Analog – HDMI support) 3G-SDI(Ix BNC) DisplayPort 11a 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 11a Component Video RGBS / YPbPr (4xBNC) S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)       Video outputs     DVI-D S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)       Video outputs     DVI-D S-video (4-pin Mini DIN) Composite video / SOG (1xBNC)
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-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)         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)       Video outputs         Video outputs       DVI-D         S-video (4-pin Mini DIN)       Composite video (1x BNC)
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)         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)         Video outputs         DVI-D         S-video (4-pin Mini DIN)         Composite video (1x BNC)
VI-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)         Video outputs         DVI-D         S-video (4-pin Mini DIN)         Composite video / SOG (1xBNC)         MDSC-2326 DED + 1x Fiber Optic SFP+ (for uncompressed video over IP)
Video outputs       DVI-D         S-video (4-pin Mini DIN)       Composite video (1x BNC)
S-video (4-pin Mini DIN) Composite video (1x BNC)
Power requirements (nominal)         Power source for external power supply: 100 – 250 VAC / 47-63 Hz auto-switch           Power source for display power input: +24 VDC / 2.5A
Power consumption         50W max (LED and DDI version)           75W max (MNA version)
Power management     DVI-DMPM states supported       Power On state     Power On state       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 stand9.4 kg (20.7 lbs) (LED and DDI version)9.8 kg (21.6 lbs! (MNA version)
Net weight power supply 1.5 kg (3.31 lbs)

PRODUCT SPECIFICATIONS	MDSC-2326
Net weight packaged w/o stand	12.5 kg (27.6 lbs) (LED and DDI version) 12.9 kg (28.4 lbs) (MNA version)
Power supply DC output cable length	2.5 m (8.2 ft)
Mounting standard	VESA (100 x 100 mm)
Screen protection	Protective, non-reflective glass cover
Recommended modalities	Endoscopy, Laparoscopy, PACS, PM, US, CT, MR
Certifications	CE (Medical Device Class I) ANSI/AAMI ES 60601-1:2005; A1:2012 – Med. El. Equip., Part 1: general req. for basic safety and essential performance 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) 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) EN 60601-1: 2006 + A1:2013 + A12:2014 (Medical electrical equipment". Part 1: General requirements for safety) INMETRO
Supplied accessories	1x DVI-D video cable 1x printed User Guide (English) 1x documentation disc, containing all translations of the User Guide 1x external power supply 4 screws, 4 dented washers and an Allen key Mains cables
Optional accessories	Barco stand (K9302097A) Power extension cable 10m (K3495066) Power extension cable 30m (K3495068)
Warranty	3 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	3000 m max
Storage altitude	12000 m max

#### Last updated: 29 Nov 2021

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

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