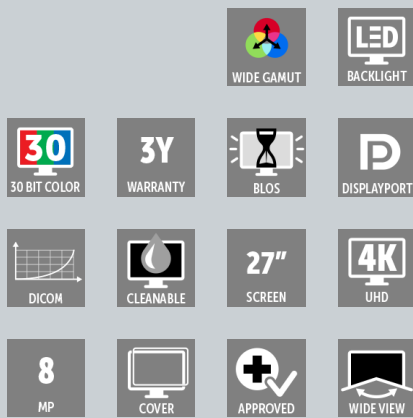


MDSC-8527

4K UHD surgical display



- Distinctive design, optimized for the operating room
- Flexible multi-modality imaging
- Fabulous 4K image quality
- BT.2020 compatible
- DP 1.2 SST and MST signals accepted

With the MDSC-8527 surgical display, you'll experience excellence in surgical precision on one of the most versatile displays in the operating room. Providing you with our recognized image quality, this 4K UHD display offers exceptional brightness and crisp contrast.

True-to-life colors in the surgical suite

The MDSC-8527 has been designed for endoscopy imaging and the integrated operating room. The display has a wide color gamut and offers advanced color calibration algorithms. This results in accurate color reproduction, making it the preferred choice for real-time imaging.

User friendly

The dual user interface – there is one at the front as well as at the back – makes it easy to operate the display. The intuitive user interface allows you to easily set up the screen or change the display's layout configurations to fit the procedure. On top of that, dedicated shortcut buttons further enable fluent configuration of the display.

Distinctive design

The 27" screen is designed in an stylish and sleek industrial style, envisioned to assure a professional, purposeful, and elegant fit for the surgical suite. Moreover, the MDSC-8527 SSTP is fanless, which contributes to its low weight.

Safety

In the MDSC-8527, our automated failover feature has been further improved with a faster switching time and the possibility to have a 4K UHD image as backup. The display is easy to disinfect thanks to the smooth surface and splash-proof housing. The integrated cable cover combined with the rubber joystick ensure optimal hygiene. Approved for use in patient vicinity area.

Models

- MDSC-8527 SSTP: 27" 4K display with SST DisplayPort connectivity and protective cover
- MDSC-8527 SSTP BL: black version

PRODUCT SPECIFICATIONS**MDSC-8527**

Screen technology	TFT AM LCD / LED backlight
Active screen size (diagonal)	27" (684 mm)
Active screen size (H x V)	596 x 335 mm
Aspect ratio	16:9
Resolution	3840 x 2160 pixels
Pixel pitch	0.155 mm
Color support	1 billion (10 bit color depth)
Color gamut	Native: 88% NTSC
Color calibration	ITU-709, DCI-P3, BT.2020 (BT.2020 reproducible colors are within the limit of the LCD panel)
Viewing angle	178° Hor / 178° Ver
Luminance	Native: 800 cd/m ² (typical) Default setting: 550 cd/ m ² stabilized @6500K & Native color space
Contrast ratio	1000:1 (Typical)
Response time	T _{On} + T _{Off} = 16 msec (typical)
White point	Calibrated: 5600K, 6500K, 7600K, 9300K
Gamma curve	Native, 1.8, 2.0, 2.2, 2.4, Video1, Video2, DICOM (review level)
Front protection screen	2-side anti-reflective alkali-aluminosilicate glass with anti-fingerprint coating
Keyboard	Front: 5-key capacitive touch -user programmable Rear: 5-key membrane
Video inputs	4K-UHD input: <ul style="list-style-type: none">■ 1x DP 1.2 SST / MST up to 3840 x 2160 @ 50/60 Hz (user configurable)■ 2x HDMI 2.0 up to 3840 x 2160 @ 50/60 Hz FHD input (upscaled to UHD): <ul style="list-style-type: none">■ 1x DVI■ 1x 3G-SDI; Note: DP, HDMI and DVI all support HDCP 1.4
Video outputs	DP 1.2 SST (main input copy) 3G-SDI (loop-through)
Other connectivity	USB-A (Field FW update with USB stick) USB-B (remote control serial protocol)
Features	User-programmable function keys, Picture-in-Picture, Picture-by-Picture, Image Mirror and Rotation, Zoom, Pan, Failover mode, User profiles, High quality upscaling from SD / FHD input to UHD, FW upload from memory stick
Power consumption	Max. 90W / 24V ± 10% Low power mode: 2.0W typical
External power supply	AC input: 100 – 240 VAC / 47-63 Hz auto-switch DC output: +25 VDC / 8 A Dimensions: 204 x 81 x 43 mm (8.0 x 3.2 x 1.7") Weight: 0.9 kg (2 lbs)
DC power output	DP connector: +3.3 V / 500 mA USB connector: +5 V / 1 A
Dimensions (W x H x D)	657 x 418 x 75 mm (25.9 x 16.5 x 3.0")
Dimensions packaged (W x H x D)	750 x 660 x 170mm (29,5 x 26,0 x 6,7")
Net weight display	9.1 kg (20.0 lbs)

PRODUCT SPECIFICATIONS**MDSC-8527**

Net weight packaged	14.4 kg (31.7 lbs)
Mounting standard	VESA 100 x 100 mm
Operating temperature	0°C to 35 °C for performance 0 °C to 40 °C for safety
Storage temperature	-20 °C to 60 °C
Operating humidity	20% to 85% (non-condensing)
Storage humidity	10% to 85% (non-condensing)
Operating altitude	3000 m max. / 70 kPa
Storage altitude	5500 m max. / 50 kPa
Certifications	<ul style="list-style-type: none">■ Approvals/Marking: CE (Medical Device Class I), c-UL-us, DEMKO, CCC■ Green compliance: ROHS-3, REACH, WEEE■ ANSI/AAMI ES 60601-1:2005/(R)2012■ CAN/CSA-C22.2 No. 60601-1: 14■ IEC 60601-1: 2012 Edition 3.1■ EN 60601-1: 2006 + A1:2013 + A12:2014■ IEC 60601-1-2: 2014 + A1:2020■ EN 60601-1-2: 2015 + A1:2021■ FCC CFR 47 Part 15 Subpart B (Class B)■ ICES-003 (Class B)■ GB17625.1-2012; GB4943.1-2011; GB/T9254-2008■ IS 13252(Part 1):2010 / IEC 60950-1:2005 (pending)■ UL 60950-1, 2nd Edition (to make the equivalence with NOM-019)
Protection rating	IP21 (IP45 front side only)
Warranty	3 years

Last updated: 29 Aug 2022

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