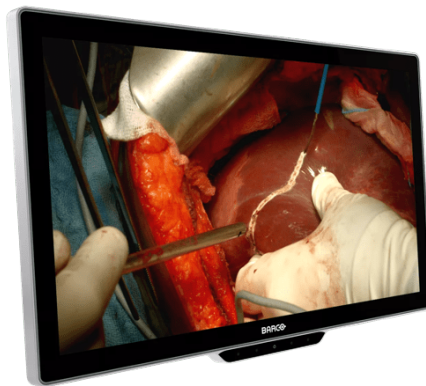
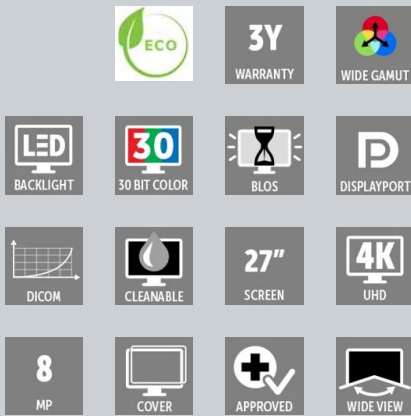


# MDSC-8527 SSTF / NXF

4K UHD surgical display



- **Optimized for endoscopy and surgical imaging**
- **Bright and crisp color video images**
- **Billions of true-to-life colors**
- **Accurate color-calibration**
- **Fast power on and automatic failover**
- **'A' ecolabel for a sustainable choice**

See more with surgical 4K precision, with our 27", A-ecolabel endoscopic and surgical display. This 4K UHD display offers exceptional brightness, crisp contrast, and vivid color video images, important where morphology is inconspicuous or recessed.

### Uncompromising image quality

See more subtle differences with the MDSC-8527's 4K resolution. The wide color gamut and Barco's industry-leading calibration provide a full range of true-to-life colors. And ultra-low latency ensures real-time feedback for perfect hand-eye coordination.

### Fast and efficient

The MDSC-8527 is low in weight and slim in design. Its dual user interface – there is one at the front and one at the back – accommodates individual user preferences. The display is fast to power-up, low in energy consumption, and features an automatic failover.

Easily set up and change the display's layout configurations to fit your procedure. And increase efficiency with customizable shortcut buttons.

### User centric design

The slim lightweight modern design features an optimized full-front glass design with bezel protection on all sides safeguards against damage by surgical lights and IV poles. It also protects the display from surgical fluids and contaminants.

The fanless design (SSTF version) and intelligent cable cover support infection control, disinfection, and cleaning.

It is fast to power-up and features an automatic failover. A dual interface design (front and back) accommodates individual user preference while customizable



shortcuts enable faster user interactions.

The MDSC-8527 is approved for use in the vicinity of patients and includes an automated failover method.

The MDSC-8527 comes with a 3-year warranty and the possibility to extend this to 5, with our EssentialCare package.

### **'A' ecolabel for MDSC-8527**

The MDSC-8527 has been subjected to Barco's ecoscoring protocol and has received the A label. To the score contributed the display's energy efficiency and its optimized packaging design, which includes a high degree of recycled content, uses no non-recyclable materials and is in itself recyclable.

### **Models**

- MDSC-8527 SSTF: 27" 4K display with SSTP DisplayPort connectivity and fanless design, white version
- MDSC-8527 NXF: 27" 4K display with SSTP DisplayPort connectivity, fanless design and integrated Barco Nexxis Decoder (\*), white version(\*) Nexxis version 1.18.04 or higher

**Product specifications****MDSC-8527 SSTF / NXF**

General specifications	
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
Brightness	Native: 800 cd/m <sup>2</sup> (typical) Default setting: 550 cd/ m <sup>2</sup> stabilized @6500K & Native color space
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
Contrast ratio	1000:1 (Typical)
Response time	T <sub>on</sub> + T <sub>off</sub> = 16 msec (typical)
White point	Calibrated: 5600K, 6500K, 7600K, 9300K
Electro-Optical Transfer Function (EOTF)	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	MDSC-8527 SSTF  4K-UHD input: <ul style="list-style-type: none"><li>■ 1x DP 1.2 SST / MST up to 3840 x 2160 @ 50/60 Hz (user configurable)</li><li>■ 2x HDMI 2.0 up to 3840 x 2160 @ 50/60 Hz</li></ul> FHD input (upscaled to UHD): <ul style="list-style-type: none"><li>■ 1x DVI</li><li>■ 1x 3G-SDI;</li><li>■ Note: DP, HDMI and DVI all support HDCP 1.4</li></ul> MDSC-8527 NXF 4K-UHD input: <ul style="list-style-type: none"><li>■ 1x DP 1.2 SST / MST up to 3840 x 2160 @ 50/60 Hz (user configurable)</li><li>■ 1x HDMI 2.0 up to 3840 x 2160 @ 50/60 Hz</li></ul> FHD input (upscaled to UHD): <ul style="list-style-type: none"><li>■ 1x DVI</li><li>■ 1x 3G-SDI;</li><li>■ 2x FO SFP+ for 4K-UHD Nexxis link</li><li>■ Note: DP, HDMI and DVI all support HDCP 1.4</li></ul>
Video outputs	MDSC-8527 SSTF and NXF <ul style="list-style-type: none"><li>■ 1x DP 1.2 SST (main input copy)</li><li>■ 1x 3G-SDI (loop-through)</li></ul>
Other connectivity	USB-A (Field FW update with USB stick) USB-B (remote control serial protocol) 2x 3.5 mm minijack audio/trigger (NXF version only) 2x USB-A keyboard/mouse (NXF version only)
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

**Product specifications****MDSC-8527 SSTF / NXF**

Power consumption	MDSC-8527 SSTF Max. 90W / 25V ± 10% Low power mode: MDSC-8527 NXF Max. 100W / 25V ± 10% Low power mode:
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: 1.15 kg (2.54 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	SSTF: 9.1 kg (20.0 lbs) NXF: 9.3 kg (20.5 lbs)
Net weight packaged	SSTF: 14.1 kg (31.1 lbs) NXF: 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
NMS Compatibility (for NXF version only)	Compatible from NMS version 1.18.04 onwards. Please always check Nexxis OR System Compatibility Matrix
Certifications	Approvals/Marking: <ul style="list-style-type: none"><li>■ CE (Medical Device Class I), c-UL-us, DEMKO, CCC, BIS, INMETRO</li><li>■ Green compliance: ROHS-3, REACH, WEEE</li><li>■ ANSI/AAMI ES 60601-1:2005/(R)2012</li><li>■ CAN/CSA-C22.2 No. 60601-1: 14</li><li>■ IEC 60601-1: 2012 Edition 3.1</li><li>■ EN 60601-1: 2006 + A1:2013 + A12:2014</li><li>■ IEC 60601-1-2: 2014 + A1:2020</li><li>■ EN 60601-1-2: 2015 + A1:2021</li><li>■ FCC CFR 47 Part 15 Subpart B (Class B)</li><li>■ ICES-003 (Class B)</li><li>■ GB17625.1-2012; GB4943.1-2011; GB/T9254-2008</li><li>■ IS 13252(Part 1):2010/ IEC 60950-1 : 2005</li><li>■ UL 60950-1, 2nd Edition (to make the equivalence with NOM-019)</li><li>■ ABNT NBR IEC 60601-1:2010 + Emenda 1:2016</li><li>■ ABNT NBR IEC 60601-1-2:2017</li><li>■ ABNT NBR IEC 60601-1-6:2011 + Emenda 1:2020</li><li>■ ABNT NBR IEC 60601-1-9:2010 + Emenda 1:2014</li></ul>
Protection rating	IP21 (IP45 front side only)
Warranty	3 years

**Last updated: 26 Mar 2024**

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