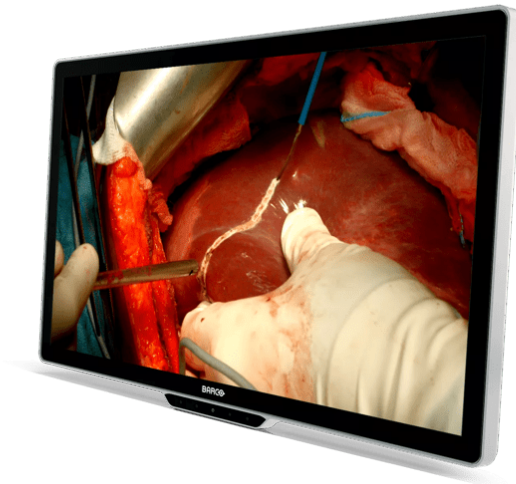
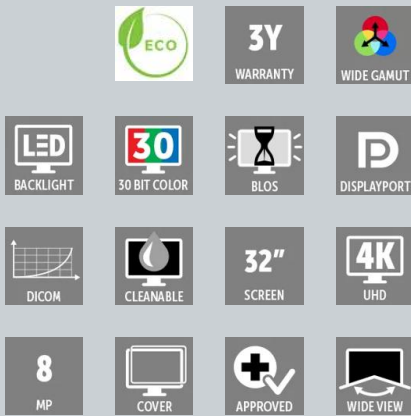


# MDSC-8532 SSTF / NXF

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 s**
- **Fast power on and automatic failover**
- **'A' ecolabel for a sustainable choice**

See more with surgical 4K precision, with our 32", 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-8532'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**

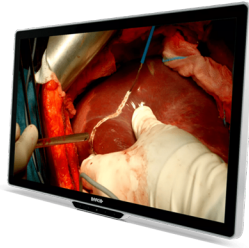
The MDSC-8532 is low in weight and slim in design. Its dual user interface – there is one at the front and one at the back – accommodates individual user preferences. The display is fast to power-up, low in energy consumption, and features an automatic failover.

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. The MDSC-8532 is approved for use in the



vicinity of patients and includes an automated failover method.

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-8532 comes with a 3-year warranty and the possibility to extend this to 5, with our EssentialCare package..

### Models

- MDSC-8532 SSTF: 32" 4K display with SSTP DisplayPort connectivity and fanless design, white version
- MDSC-8532 NXF: 32" 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-8532 SSTF / NXF**

| General specifications                   |   |
|--|---|
| Screen technology                        | TFT AM LCD / LED backlight  |
| Active screen size (diagonal)            | 32" (813 mm)  |
| Active screen size (H x V)               | 708 x 399 mm  |
| Aspect ratio                             | 16:9  |
| Brightness                               | Native: 850 cd/m <sup>2</sup> (typical)<br>Default setting: 550 cd/ m <sup>2</sup> stabilized @6500K & Native color space   |
| Resolution                               | 3840 x 2160 pixels  |
| Pixel pitch                              | 0.1845 mm   |
| Color support                            | 1 billion (10 bit color depth)  |
| Color gamut                              | Native: 94% 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                           | 1350:1 (Typical)  |
| Response time                            | T <sub>on</sub> + T <sub>off</sub> = 18 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<br>Rear: 5-key membrane  |
| Video inputs                             | MDSC-8532 SSTF<br>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-8532 NXF<br>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></ul> · 2x FO SFP+ for 4K-UHD Nexxis link<br>· Note: DP, HDMI and DVI all support HDCP 1.4 |
| Video outputs                            | MDSC-8532 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)<br>USB-B (remote control serial protocol)<br>2x 3.5 mm minijack audio/trigger (NXF version only)<br>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-8532 SSTF / NXF**

|   |  |
|---|--|
| <b>Power consumption</b>                        | MDSC-8532 SSTF<br>Max. 100W / 25V ± 10%<br>Low power mode: MDSC-8532 NXF<br>Max. 110W / 25V ± 10%<br>Low power mode:   |
| <b>External power supply</b>                    | AC input: 100 – 240 VAC / 47-63 Hz auto-switch<br>DC output: +25 VDC / 8 A<br>Dimensions: 204 x 81 x 43 mm (8.0 x 3.2 x 1.7")<br>Weight: 0.9 kg (2 lbs)  |
| <b>DC power output</b>                          | DP connector: +3.3 V / 500 mA<br>USB connector: +5 V / 1 A   |
| <b>Dimensions (W x H x D)</b>                   | 768 x 480 x 79 mm (30.2 x 18.9 x 3.1")   |
| <b>Dimensions packaged (W x H x D)</b>          | 900 x 720 x 170 mm (35.4 x 28.3 x 6.7")  |
| <b>Net weight display</b>                       | SSTF: 12.0 kg (26.5 lbs)<br>NXF: 12.7 kg (28 lbs)  |
| <b>Net weight packaged</b>                      | SSTF: 19.0 kg (41.9 lbs)<br>NXF: 19.3 kg (42.6 lbs)  |
| <b>Mounting standard</b>                        | VESA 100 x 100 mm  |
| <b>Operating temperature</b>                    | 0°C to 35 °C for performance<br>0 °C to 40 °C for safety   |
| <b>Storage temperature</b>                      | -20 °C to 60 °C  |
| <b>Operating humidity</b>                       | 20% to 85% (non-condensing)  |
| <b>Storage humidity</b>                         | 10% to 85% (non-condensing)  |
| <b>Operating altitude</b>                       | 3000 m max. / 70 kPa   |
| <b>Storage altitude</b>                         | 5500 m max. / 50 kPa   |
| <b>NMS Compatibility (for NXF version only)</b> | Compatible from NMS version 1.18.04 onwards. Please always check Nexxis OR System Compatibility Matrix   |
| <b>Certifications</b>                           | <ul style="list-style-type: none"><li>■ Approvals/Marking:</li><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> |
| <b>Protection rating</b>                        | IP21 (IP45 front side only)  |
| <b>Warranty</b>                                 | 3 years  |

**Last updated: 26 Mar 2024**

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