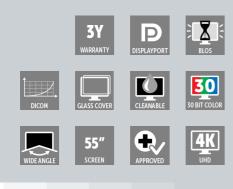
MDSC-8255 4K UHD large-screen surgical display





- 55-inch wide-screen color LCD with Quad Full HD resolution
- Wide viewing angle
- Advanced image processing algorithms
- BT.2020 compatible

Barco's MDSC-8255 is a 55-inch surgical display purpose-built for ultra-high resolution, multi-image viewing in the digital operating room. Thanks to its high quality video performance and lightweight housing with shallow depth and thin bezel, it's the ideal complement of any advanced video distribution system in the OR.

Large-screen 4K UHD resolution display for referral imaging

A future-proof choice for referral imaging in the OR, the MDSC-8255 can present information previously shown on four 27" monitors on one large screen, with all four images in full HD. Thanks to the integrated 4K decoder (optional) it offers seamless integration with Barco's Nexxis video-over-IP solution.

Wall-mount flexibility

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With its protective front glass, shallow depth, thin bezel and light weight the MDSC-8255 is perfect for wall mounting. Also available without protective glass for in-wall installation.

Delivering image quality on large screens

Color-calibrated, artifact free images in 4K resolution: the MDSC-8255 presents surgeons with accurate, realistic images and excellent depth perception. Advanced video processing features and noise reduction algorithms, and a full 10-bit image processing chain make this display ideal for consultation of any kind of medical referral images inside the OR.



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Display technology TIT AM LCD / PS technology / LED backlight Active screen size (diagonal) 54.6° / 1388 mm Active screen size (diagonal) 3940 x 2160 Pixel pitch 0.35 mm Color support 1073 million 10-10 Color support 1073 million 10-10 Color support 1073 million 10-10 Color support 100.2 fmax) Response time Gas/solor 300 cd/m ² splay Generative science Gas/solor 300 cd/m ² splay Gamma curve Naive, 18, Vieles, 22, 24, DICOM Front protection screen Scrach-residant 2-side AR glass Keyboard Membrare septoard on size Viele singuls XBC-2825 FMA Same input selectable among ND FI 11 up to 3204 x 2160 gSbH/z60Hz Viele singuls XBC-591 input isop-160Hz Viele support XBC-5925 input isop-160Hz </th <th>PRODUCT SPECIFICATIONS</th> <th>MDSC-8255</th>	PRODUCT SPECIFICATIONS	MDSC-8255
Active screen size (H × V) 1210 x 640 mm Aspect ratio 16.9 Resolution 3540 x 200 Pixet pitch 0.315 mm Color support 1073 million (Ho-bit) Contrast ratio 11001 (max.) Response time Gray-to-Gray = 8 meet (typ.) White point Calibrard 560K, 5500K, 7800 dmW subject (typ.) Response time Gray-to-Gray = 8 meet (typ.) White point Calibrard 560K, 6500K, 7800 dM (SOK Gamma curve Native, 18, Viaco, 22.4, DICOM Forth protection screen Scratch resistral 24d Rg lass Keyboard Membrane keyboard on side Video inputs MDSC-8255 LED MDSC 2005 LED 200 (typ.) Lipscale for 440-HD lay to 102 dep x 2100 (sSOH2/SOH2 X HOHD 20 up to 490 x 2100 (sSOH2/SOH2 X HO	Display technology	TFT AM LCD / IPS technology / LED backlight
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Image Mirror and Rotation, Failover mode, Screen clone on DVI out, FHD input upscaled to UHD, Legacy signals accepted, DC Power output Remote control MDSC-8255 LED micro-USB port for FW download & control protocol MDSC-8255 MNA FW download through network connection Power consumption MDSC-8255 LED: 120W (max)/ 90 ÷ 264 Vac 50Hz/60Hz MDSC-8255 NNA: 170W (max) / 90 ÷ 264 Vac 50Hz/60Hz Low power mode MDSC-8255 LED: 18W Typ MDSC-8255 LED: 18W Typ Power-off: ~ 1	Video outputs	1x 3G-SDI (3G-SDI input loop-through)
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Dimensions 1260 x 734 x 87 mm / 49.6 x 28.9 x 3.4 in	Power consumption	MDSC-8255 MNA: 170W (max) / 90 ÷ 264 Vac 50Hz/60Hz Low power mode MDSC-8255 LED: 18W Typ MDSC-8255 MNA: 52W Typ
	Dimensions	1260 x 734 x 87 mm / 49.6 x 28.9 x 3.4 in

PRODUCT SPECIFICATIONS	MDSC-8255
Net weight display	With protection glass: 33.0 Kg / 72,8 lbs (MDSC-8255 LED) 33.6 Kg / 74,1 lbs (MDSC-8255 MNA) Without protection glass: 24.0 Kg / 52,9 lbs (MDSC-8255 LED NG) 24.6 Kg / 54,2 lbs (MDSC-8255 MNA NG)
Net weight packaged	With protection glass: 39.5 Kg / 87,1 lbs (MDSC-8255 LED) 40.1 Kg / 88,4 lbs (MDSC-8255 MNA) Without protection glass: 30.5 Kg / 67,2 lbs (MDSC-8255 LED NG) 31.1 Kg / 68,6 lbs (MDSC-8255 MNA NG)
Mounting standard	VESA 200x200 & 600x200 mm
Temperature	Operating: 0° ÷ 35° Storage: -20° ÷50°
Humidity	Operating: 10% ÷ 90% R.H. Storage: 5% ÷ 90% R.H.
Regulation Compliance	 ANSI/AAMI ES 60601-1:2005/(R)2012 Part 1 CAN/CSA-C22.2 No. 60601-1: 14 Part 1 IEC 60601-1: 2012 Edition 3:1 Part 1 EN 60601-1: 2006 + A1:2013 Part 1 Electromagnetic Compatibility: EMC Medical EMC Standards: IEC60601-1-2 (4th Ed.), EN55011 /CISPR 11, FCC CFR47 part 15 & 18/Class B Approvals/Marking: CE, c-UL-us, DEMKO
Protection rating	IP20 (IP45 front side)
Warranty	3 years
Green compliance	ROHS-2, REACH, WEEE

Last updated: 17 Sep 2019

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

BARCO