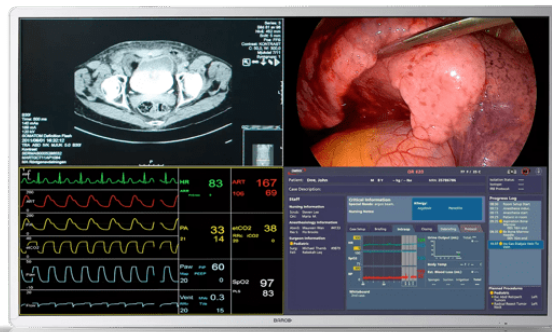


MDSC-8255

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
- 12G-SDI and Quad-link 3G-SDI signals accepted

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

With its protective front glass, shallow depth, thin bezel and light weight the MDSC-8255 is perfect for wall mounting.

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.

Product specificaties**MDSC-8255**

General specifications	
Schermt technologie	TFT AM LCD / IPS technology / LED backlight
Actief schermformaat (diagonaal)	54,6" / 1388 mm
Formaat actief scherm (H x V)	1210 x 640 mm
Beeldverhouding	16:9
Helderheid	Max: 500 cd/m ² (typ.) @6500K : 300 cd/m ² stabilized (typ.)
Resolutie	3840 x 2160
Pixelpitch	0.315 mm
Kleurondersteuning	1073 million (10-bit)
Kleurkalibratie	ITU-709, DCI-P3, BT.2020
Kijkhoek	178° Hor / 178° Ver
Afstandsbediening	MDSC-8255 LED & 12G micro-USB port for FW download & control protocol MDSC-8255 MNA FW download through network connection
Contrastverhouding	1100:1 (max.)
Reactietijd	Gray-to-Gray = 8 msec (typ.)
Wit punt	Calibrated: 5600K, 6500K, 7600K, 9300K
Gammacurve	Native, Gamma 1.8 -2.2 -2.4, Video, DICOM
Schermbescherming aan voorzijde	Scratch-resistant 2-side AR glass
Keyboard	Membrane keyboard on side
Afmetingen	1259 x 733 x 87 mm (49.5 x 28.8 x 3.4 in)
Video-ingangen	MDSC-8255 LED 4K-UHD input selectable among: 1x DP 1.1 up to 3840 x 2160 @25Hz/30Hz 2x DP 1.1 up to 1920 x 2160 @50Hz/60Hz 1x DP 1.2 MST up to 3840 x 2160 @50Hz/60Hz 2x HDMI 2.0 up to 3840 x 2160 @50Hz/60Hz FHD input (upscaled to UHD): 1x DVI 1x 3G-SDI MDSC-8255 12G 4K-UHD input selectable among: • Quad-link 3G-SDI up to 3840 x 2160 @50Hz/60Hz • 12G-SDI up to 3840 x 2160 @50Hz/60Hz • 1x DP 1.1 up to 3840 x 2160 @25Hz/30Hz • 2x DP 1.1 up to 2048 x 2160 @50Hz/60Hz • 1x DP 1.2 MST up to 3840 x 2160 @50Hz/60Hz • 2x HDMI™ 2.0 up to 3840 x 2160 @50Hz/60Hz FHD input (upscaled to UHD): • 1x DVI MDSC-8255 MNA 4K-UHD input selectable among: • 1x DP 1.1 up to 3840 x 2160 @25Hz/30Hz • 2x DP 1.1 up to 1920 x 2160 @50Hz/60Hz • 1x DP 1.2 MST up to 3840 x 2160 @50Hz/60Hz • 2x FO SFP+ module for 4K-UHD Nexxis link FHD input (upscaled to UHD): • 1x DVI • 1x 3G-SDI
Video-uitgangen	MDSC-8255 LED & MNA 1x 3G-SDI (input loop through) 1x DVI (screen clone downscaled to FHD) MDSC-8255 12G 2x 12G-SDI (input loop through) 1x DVI (screen clone downscaled to FHD)
Kenmerken	Video processing optimized for low latency and noise reduction, Picture-in-Picture, Picture-by-Picture, Image Mirror and Rotation, Failover mode, Screen clone on DVI out, FHD input upscaled to UHD, Legacy signals accepted, DC Power output
Temperatuur	Operating: 0° + 35° Storage: -20° +60°
Energieverbruik	MDSC-8255 LED: 144W (max)/ 90 ÷ 264 Vac 50Hz/60Hz MDSC-8255 12G: 162W (max)/ 90 ÷ 264 Vac 50Hz/60Hz MDSC-8255 MNA: 170W (max) / 90 ÷ 264 Vac 50Hz/60Hz Low power mode
Vochtigheid	Operating: 10% + 90% R.H. Storage: 5% + 90% R.H.
Afmetingen verpakt (B x H x D)	1367 x 896 x 292 mm (53.8 x 35.2 x 11.5 in)
Net weight display	MDSC-8255 LED: 33.2 kg (73.1 lbs) MDSC-8255 MNA: 34.2 kg (75.3 lbs) MDSC-8255 12G: 33.5 kg (73.8 lbs)
Naleving van milieuvoorschriften	ROHS-3, REACH, WEEE

Product specificaties**MDSC-8255**

Nettogewicht verpakt	MDSC-8255 LED: 39.7 kg (87.5 lbs) MDSC-8255 MNA: 41.2 kg (90.8 lbs) MDSC-8255 12G: 40.6 kg (89.5 lbs)
Montagestandaard	VESA 200x200 & 600x200 mm
Certificeringen	<ul style="list-style-type: none">▪ ANSI/AAMI ES60601-1 (2005 + C1:09 + A2:10 + A1:2014)▪ CAN/CSA-C22.2 No. 60601-1 (2014)▪ IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012▪ EN 60601-1: 2006 + CORR:2010 + A1:2013 + A12:2014▪ Electromagnetic Compatibility: EMC Medical EMC Standards: IEC 60601-1-2 (2014), EN 60601-1-2 (2015) EN55011 /CISPR 11, FCC CFR47 Part 15 Subpart B (Class B)▪ GB17625.1-2012; GB4943.1-2011; GB/T9254-2008▪ Approvals/Marking: CE, c-UL-us, DEMKO, CCC, INMETRO, EAC▪ The products comply with the Safety and performance requirements of Regulation (EU) 2017/745 (MDR)
Beschermingsniveau	IP20 (IP45 front side)
Garantie	3 years

Laatst bijgewerkt: 07 May 2024

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