

MDAC-8355

55" 4K UHD multi-modality, medical-grade ITE display



- **Large ultra-high-definition monitor**
- **Medical-grade ITE device**
- **Flexible display for image-guided therapies**

The MDAC-8355 is a 55" 4K ultra-high-definition medical-grade ITE display, designed exclusively for OEMs & system integrators in the field of image-guided therapies.

With its unique in-built internal picture composition capability, the MDAC-8355 is suitable for displaying multi-modality images from a wider range of image-guided systems.

The MDAC-8355 can be integrated into your image-guided system to support clinical teams (within interventional radiology, cardiology, radiation oncology, NIR-guided surgery, and endovascular robotics) who perform both routine and complex procedures where high quality, clean, sharp and more defined multi-modality images need to be displayed simultaneously. It can be wall- or ceiling-mounted and packaged for specific clinical applications on a medical cart.

With lifetime luminance stability and DICOM calibration assured, clinical teams who make fast decisions during image-guided procedures can work with optimal viewing experience.

Product specifications**MDAC-8355****General specifications**

Screen technology	a-si TFT active matrix, IPS
Active screen size (diagonal)	54.6" (1388 mm)
Active screen size (H x V)	1210 x 680 mm
Aspect ratio	16:9
Resolution	UHD (3840 x 2160 pixels)
Pixel pitch	0.3150 mm
Color support	1.07 billion colors (10 bit)
Viewing angle	178°
Luminance	Calibrated: 350 cd/m ² at 6500K
Contrast ratio	1100:1 (typical)
Response time	8 ms (typical)
White point	2000K to 12000 K (Default setting: 6500K)
Look up table	Native, DICOM, Gamma, User
Gamma curve	1 to 4, step = 0.1 (Default setting: 2.4)
Front protection screen	Scratch-resistant 2-side AR glass
Video inputs	DVI Dual link (Full screen image with 2 x DVI Inputs) DVI Single Link (Full screen image with 4 x DVI inputs) DVI Single Link (4 Quadrant Drive from 4 Independent sources) DP 1.2 SST (Full Screen image; 4k native or 2k upscaled)
Features	Option SPIB: Failover (DVI automatically displayed in case of no DP) Option SPIW: Internal Picture Composition Capability
Remote control	Option SPIB: N/A Option SPIW: Infrared remote control
Power supply	90 + 264 Vac 50Hz/60Hz
Power consumption	135W (maximum) 25W (stand-by)
Housing color	Option SPIB: Black Option SPIW: White
Dimensions (W x H x D)	1260 x 734 x 87 mm
Net weight	34 kg
Net weight packaged	40 kg
Mounting standard	VESA 200 x 200 mm & 600 x 200 mm
Operating temperature	+5 °C to 35 °C
Storage temperature	-20 °C to 60 °C
Operating humidity	10% to 80%
Storage humidity	10% to 90% RH (non-condensing)
Certification and compliance	IEC 62368-1:2018 EN 62368-1:2020 + A1:2020 IEC 60601-1:2005 + A1:2012 EN 60601-1:2006 + A1:2013 + A12:2014 ANSI/AAMI ES 60601-1:2005 + R1:2012 CAN/CSA C22.2 No. 60601-1:14 IEC 60601-1-2: 2014 (ed.4) EN 60601-1-2:2015 (ed.4) + A1:2021 CISPR 11 Class B FCC part 15 Class B ICES-003 Level B GB4943.1-2011; GB9254-2008; GB17625.1-2012 Green compliance: RoHS (2011/65/EU + Delegated Directive (EU) 2015/863), REACH, WEEE
Protection rating	IP20 (IP45 front side)
Warranty	3 years

Last updated: 03 Feb 2025

© 2025 Barco nv. All rights reserved. Reproduction in whole or in part without written permission is prohibited. All brand names and product names are trademarks, registered trademarks or tradenames of their respective holders. Due to continued innovation, information and technical specifications are subject to change without prior notice. Please check www.barco.com for the latest specifications.