

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
Brightness	Calibrated 350 cd/m ² at 6500K
Housing color	Option SPIB: Black Option SPIW: White
Resolution	UHD (3840 x 2160 pixels)
Pixel pitch	0.3150 mm
Color support	1.07 billion colors (10 bit)
Color calibration	N/A
Viewing angle	178° Hor/ 178° Ver
Remote control	Option SPIW: Infrared remote control
Contrast ratio	1100:1 (typical)
Response time	8 ms (typical)
White point	2000 K to 12000 K (Default setting 6500 K)
Electro-Optical Transfer Function (EOTF)	Native, Gamma (1 to 4; step=0.1 (Default setting 2.4)), User, DICOM
Front protection screen	Scratch-resistant 2-side AR glass
Dimensions	1260 x 734 x 87 mm
Video inputs	DVI Dual link (Full screen image with 2x 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)
Video outputs	N/A
Features	Option SPIB: Failover (DVI automatically displayed in case of no DP), or Option SPIW: Internal Picture Composition Capability
Temperature	Operating: +5 °C to 35 °C Storage: -20 °C to 60 °C
Power consumption	135 W (maximum) 25 W (stand-by)
Humidity	Operating: 10% to 80% RH (non-condensing) Storage: 10% to 90% RH (non-condensing)
Net weight display	34 Kg
Green compliance	RoHS (2011/65/EU + Delegated Directive (EU) 2015/863), REACH, WEEE
Net weight packaged	40 Kg
Mounting standard	VESA 200 x 200 mm & 600 x 200 mm)
Certifications	<ul style="list-style-type: none"> ▪ IEC 62368-1:2018 ▪ EN 62368-1:2020 + A11:2020 ▪ 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
Protection rating	IP20 (IP45 front side)
Warranty	3 years

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