

E240H3

Surgical display for 3D imaging



With surgery becoming less invasive, surgeons are increasingly relying on state-of-the-art imaging technology as a window to a patient's body. 3D imaging has proven to deliver significant benefits, such as enhanced visibility of patient anatomy, improved surgical efficiency and accuracy in laparoscopic procedures with shorter operating times.

Stereoscopic vision for excellent depth perception Barco's 3D display offers excellent, natural stereoscopic vision, thanks to flicker-free, low-latency and minimal crosstalk imaging technology. The display's high brightness, high contrast and full HD resolution provides surgeons with excellent depth perception and the most accurate images.

Thanks to advanced backlight output stabilization, the E240H3 surgical display ensures image consistency across all displays. It can be used with both 2D and 3D camera systems, which makes it ideal for surgeons planning to upgrade to 3D in the future.

Barco's 3D display for surgical imaging features:

- Passive 3D technology with Xpol® polarizing filter
- Compatible with 2D and 3D sources
- Calibrated for perfect color reproduction (ITU 709 calibration)
- Vertical & horizontal alignment for left / right images
- Very low cross-talk
- Front protection screen

Product specifications**E240H3****General specifications**

Screen technology	TFT AM LCD/S-IPS
Active screen size (H x V)	518 x 324 mm (20.4 x 12.7")
Aspect ratio	16:10
Resolution	1920 x 1200
Pixel pitch	0.270 x 0.270 mm
Color imaging	Yes
Viewing angle	178° hor / 178° ver
Maximum luminance	300 cd/m ² (2D, full white)
Contrast ratio	1000:1 (typical)
Response time	6 msec (GtG -typ)
Backlight Output Stabilization (BLOS)	yes
3D technology	Xpol® polarizing filter
3D viewing distance	over 800 mm
Video inputs	2D mode: DVI-D, VGA, Composite, S-Video, Component RGBS/YpPbPr, SDI In (x 2) 3D mode: HD-SDI / 3G-SDI (x2), DVI-D
3D formats	Simultaneous (Dual stream) on HD-SDI (x2) Line-by-line (Right on top) on DVI-D & 3G/SDI 1080p
Dimensions w/o stand (W x H x D)	583 x 403 x 105 mm (23 x 15.9 x 4.1")
Screen protection	Protective front cover
Recommended modalities	Endoscopy, Laparoscopy, X-ray, CT, MR, US
Regulation Compliance	MDD 93/42/EEC (Class 1), Amended by 2007/47/EC EN 60601 3rd edition (2006) IEC 60601-1, 3rd edition (2005) ANSI/AAMI ES60601-1, 3rd edition (2005) CAN/CSA-C22.2 No 60601.1 (2008) IEC / EN 60601-1-2: 2007 EN55011 / CISPR11 FCC CFR 47 PART 15 AND 18/Class B ROHS-2, REACH, WEEE
Warranty	2 years

Last updated: 08 Jul 2024

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