

E192HSA

19" surgical color LCD display



- **High-quality LCD technology with LED backlights**
- **Lightweight and compact**
- **For use with endoscopy trolleys**
- **Full range of SD and HD video inputs**

Pixel perfect precision

This surgical display with LED backlight technology is the perfect match for endoscopy cameras. It combines artifact-free images with calibrated, consistent colors for surgical precision. Thanks to its high brightness, high contrast ratio and wide viewing angle, surgeons can see precise endoscopic images from any angle in a high-bright environment.

Major quality in a compact size

The E192HSA has been specifically designed for mounting on endoscopy trolleys. Lightweight, compact and extremely simple to install, it meets all of the requirements of the small integrated operating room. The display features compatibility with endoscopic cameras, fluoroscopes, ultrasound echography, mobile x-ray systems, and other medical imaging systems.

Safety guaranteed

This 19" surgical display complies with all of the latest safety and medical standards. Its fan-less and fully cleanable design, including a splash-proof front, allows for complete disinfection and makes the E192HSA completely safe for use near patients.

Product specificaties

E192HSA

General specifications	
Schermtechnologie	TFT AM LCD White LED backlight
Actief schermformaat (diagonaal)	19.0" (481.84 mm)
Formaat actief scherm (H x V)	3/6 x 302 mm (14.8" x 11.89")
Beeldverhouding	5:4
Resolutie	1MP (1280 x 1024)
Pixelpitch	0.294mm
Beeldkleur	Yes
Kleurondersteuning	16.7 million (8-bit)
Kijkhoek	178°
Luminantie	Default @6500K: 250 cd/m ² Maximum: 300 cd/m ² (typical)
Contrastverhouding	900:1 (typical)
LCD transition time	Average total 18ms typical (Rise time Tr + Decay time Tf; Tr = Black to White , Tf = White to Black)
Wit punt	Native: 6400K Calibrated: 5600K, 6500K, 7600K, 9300K
Puntklok	165 MHz (maximum)
Gamma	Native, CRT, Xray
Bescherming van het scherm	Dual side anti-reflective Acrylic
Keyboard	Mechanical membrane 7 buttons
Video-ingangssignalen	■ DVI-D Single Link (Digital – HDMI video support with HDCP) ■ VGA ■ Component Video RGBS / YPbPr (4xBNC) ■ S-video (4-pin Mini DIN) ■ Composite video (1xBNC) ■ 3G-SDI (1xBNC)
Video-uitgangssignalen	■ DVI-D (output selectable from DVI-I) ■ S-video (4-pin Mini DIN) ■ Composite video (1xBNC) ■ 3G-SDI (1xBNC)
Videoformaten	VGA & DVI : Up to 1920x1200 at 60Hz (reduced blanking) ■ Maximum Hor freq: 90kHz ■ Maximum pixel clock: 165MHz ■ Maximum Ver freq: 75Hz Standard PAL and NTSC for S-Video, Composite and Component Component YPbPr/ RGBS: HDTV -up to 1080i & 1080p SDI Format Supported: 625/25 PAL, 525/29.97 NTSC, 1080i50, 1080i59.94, 1080i60, 720p50, 720p59.94, 720p60, 1080p50, 1080p59.94, 1080p60 SDI Compliance: SMPTE 425M (Level A), SMPTE 424M, SMPTE 292M, SMPTE 259M-C, SMPTE 296M, ITU-R BT.656, ITU-R BT.601 RS-232 (D-sub 9-pin) External power supply: 100-240VAC, 50/60Hz, medical grade Display power input: +24 VDC ±10% / 1.3 A 35W typical English, French, German, Spanish, Italian 425 x 375 x 96.8 mm (16.7" x 18.6" x 3.6") 593 x 483 x 192 mm (23.3" x 19.0" x 7.6") 5.8 kg (12.6 lbs) 8.87 kg (19.9 lbs) VESA (100 x 100 mm) Endoscopy, Laparoscopy, PACS, PM, US, CT, MR MDD 93/42/EEC (Class1), Amended by 2007/47/EC EN 60601-1 3rd Edition (2006) -Medical Electrical Equipment / General Requirements for basic Safety and essential performance IEC 60601-1 3rd Edition (2005) -Medical Electrical Equipment / General Requirements for basic Safety and essential performance ANSI/AAMI ES60601-1 3rd Edition (2005) -Medical Electrical Equipment / General Requirements for basic Safety CAN/CSA-C22.2 No. 60601-1 (2008) -Medical Electrical Equipment -Part 1: General Requirements for basic Safety and Essential Performance Approvals/Marking: CE c-UL-us, DEMKO, PSE, CCC. Note PSE is available on PSU Electromagnetic Compatibility: EMC Medical EMC Standards: IEC/EN 60601-1-2 (2007), EN55011/CISPR 11 (Class B), FCC CFR47 part 15 & 18 RoHS-2, REACH, WEEE compliant IP21 (IPx5 monitor front side only)
Meegelerverde accessoires	User manual Mains cables (European, US, Chinese) External power supply Interface cable DVI 3m
Optionele accessoires	Display pedestal (P/N: K9302060A)
Bedrijfstemperatuur	0 ÷ +40°C
Opslagtemperatuur	-20 ÷ +60°C
Vochtigheid in bedrijf	10 ÷ 90% (non-condensing)
Vochtigheid bij opslag	10 ÷ 90% (non-condensing)
Bedrijfshoogte	3000m max.
Opslaghoogte	12000m max.

Laatst bijgewerkt: 08 Jul 2024

© 2024 Barco nv. Alle rechten voorbehouden. Gehele of gedeeltelijke reproductie zonder schriftelijke toestemming is verboden. Alle merknamen en productnamen zijn handelsmerken, geregistreerde handelsmerken of handelsnamen van hun respectieve houders. Als gevolg van voortdurende innovatie kunnen informatie en technische specificaties zonder voorafgaande kennisgeving worden gewijzigd. Controleer www.barco.com voor de nieuwste specificaties.

