MDEC-2523

FHD Surgical Display



- **Crisp Full HD visualization**
- **Easily adjustable picture-in-picture**
- **Flexible HDMI™ and 3G-SDI connectivity**
- **Compact and lightweight design**
- **Easy to operate and clean**
- **Reliable long-term support**

In endoscopy, the display is a link between the imaging system and the clinical team. It needs to present endoscopic video clearly, connect reliably with different camera systems, and fit naturally into environments where space, weight, and cleaning routines shape every equipment choice. The MDEC-2523 brings these priorities together in a compact medical display for GI, OB/GYN, ENT, and urology workflows.

The MDEC-2523 is designed to deliver crisp visualization of intricate anatomy and complex structures while giving users the flexibility to adapt the viewing experience. Easily adjustable picture-in-picture functionality allows the image size and position to be adjusted to user preferences,helping teams organize visual information according to their preferences and the needs of the procedure.

Built for straightforward integration, the display combines HDMI™ and 3G-SDI connectivity with a compact, lightweight 7.5 kg design. It can be incorporated into endoscopy towers, carts, and trolleys, and is also suited to selected boom-arm replacement opportunities where weight restriction is an important consideration. Practical details - including intuitive on-screen display navigation, one-touch power control, and intelligent cable management - help keep operation simple in busy clinical settings.

Cleanability is considered throughout the design. The sealed front glass, streamlined rear housing, cable cover, and fanless construction create a surface concept that supports routine wipe-down cleaning



and low-maintenance use. Together with medical device certification for the EU and Japan, a three-year warranty, and optional EssentialCare coverage for up to five years, these features make the MDEC-2523

Key benefits

- See the detail that matters: Crisp Full HD visualization supports a clear view of intricate anatomy and complex structures in endoscopic procedures.
- Shape the view around the procedure: Picture-in-picture brings complementary imaging sources together on one screen, including in specific procedures, and lets users reposition the secondary image to match their viewing preferences.
- Integrate with confidence: HDMI™ and 3G-SDI connectivity support compatibility with a wide range of camera systems, while the compact 7.5 kg design fits towers, carts, trolleys, and selected boom-arm replacement opportunities.
- Intuitive on-screen display navigation, one-touch power control, and intelligent cable management help teams work efficiently in busy endoscopy environments.
- Support routine cleaning: Sealed front glass, a streamlined rear design, a cable cover, and fanless construction are designed for wipe-down cleaning and low-maintenance use.
- Choose long-term reassurance: A three-year warranty, and optional EssentialCare coverage for up to five years provide added confidence.

Product specificaties	MDEC-2523
Algemene specificaties	
Schermtechnologie	TFT-LCD
Actieve schermgrootte (diagonaal)	605 mm
Actieve schermgrootte (H x V)	H= 527 mm V= 296 mm
Beeldverhouding (H:V)	16:9
Resolutie	2MP (1920 x 1080)
Pixelpitch	274.5 x 274.5 um
Kleurenbeeld	Yes
Grijsbeeld	Yes
Ondersteuning voor kleuren	16.7M colors (RGB 8-bit)
Kijkhoek (H, V)	H= 178° V= 178°
Stabilisatie van de achtergrondverlichting (BLOS)	Yes
Optisch glas	Yes
Minimale luminantie	200 cd/m^2
Maximale luminantie	300 cd/m^2
Standaard luminance bij 6500 K (gestabiliseerd)	300 cd/m^2
Contrastverhouding	1000:1 (typical)
Reactietijd (Tr + Tf) / 2	14 ms (typical)
Kleur behuizing	Glass: White Silkscreen RAL 9003 Bezel: White RAL 9003 Rear cover / Cable cover: White RAL 9003
Video-ingangssignalen	2x 3G SDI 1x HDMI™ 2.0
Video-uitgangssignalen	1x 3G SDI 1x HDMI™ 2.0
Stroombronvereisten voor het ingangsvermogen van het scherm (nominaal)	AC input: 100-240 VAC / 47-63 Hz auto-switch
Stroomverbruik (nominaal) INTERNE voedingsmodule MDS-100APS24 B	Max. 50W Low Power Mode: Switched Off: 0W
Energiebesparende modus	Yes
OSD-talen	English, Japanese, Chinese, Korean, French, German
Schermafmetingen zonder standaard (B x H x D)	580x360x67.5 mm (22.8x14.2x2.6 inches)
Afmetingen verpakt (B x H x D)	708x513x195 mm (27.9x20.2x7.7 inches)
Nettogewicht beeldscherm zonder steun	Approx. 7.5 kg (16.5 lbs)
Nettogewicht verpakt zonder standaard	Approx. 11.0 kg (24.25 lbs)
Montagestandaard	VESA (100 mm and 75 mm)
Bescherming van het scherm	Protective, 2-side anti-reflective with anti-fingerprint coating
Aanbevolen modaliteiten	Endoscopy, Laparoscopy
Certificeringen	Approvals/Marking: ■ CE (Medical Device Class I), c-UL-us, DEMKO, CCC, BIS, INMETRO Green compliance: ■ ROHS-3,REACH, WEEE Safety specific: ■ AAMI ES60601-1:2005, ES60601-1:2005/AMD1 1:2012, ES60601-1:2005/AMD2:2021 ■ CAN/CSA-C22.2 No. 60601-1:14/A2:2022 ■ IEC 60601-1:2005, AMD1:2021, AMD2:2020 ■ EN 60601-1:2006 / A1:2013 / A12:2014 / A2:2021 ■ IEC 62308-1:2018, EN IEC 62308-1:2020+A11:2020 ■ IS 13252(Part 1):2010/ IEC 60950-1:2005 ■ ABNT NBR IEC 60601-1:2010+Emenda 1:2016 + Emenda 2:2022 EMI specific: ■ IEC 60601-1-2: 2014 + A1:2020 ■ EN 60601-1-2: 2015 + A1:2021 ■ FCC part 15 Class B ■ ICES-003 Level B ■ ABNT NBR IEC 60601-1-2:2017 + Emenda 1:2022
Meegeleverde accessoires	1x printed User Guide 1x documentation disc, containing all translations of the User Guide 1x Power Cord, depending on target country 1x SDI cable 4x cross-head screws M4x20mm for VESA fixation
Garantie	3 years standard warranty Extension contract possible up to 5 years
Bedrijfstemperatuur	0-40°C
Temperatuur bij opslag	-20 °C to +60 °C
Luchtvochtigheid tijdens gebruik	20 % to 85 % (non-condensing)
Luchtvochtigheid bij opslag	10 % to 90 % (non-condensing)
Werkdruk	3000 m max. / 70 kPa
Opslagdruk	70 to 110 kPa

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