MDDC-2424

diagnostic display built for dental specialists



- **24" diagnostic display for dental imaging**
- **Front sensor for consiste nt images**
- **Automated calibration & QA**
- **Built-in DIN 6868-157 compliance**
- **Certified medical device, built for dental clinics**

Dental diagnostic reading demands more than a general-purpose monitor can deliver. Reading a panoramic, a cephalometric series, an intraoral study, or a cone beam CT means catching the kind of subtle detail — a hairline root fracture, the earliest shadow of caries, a fine change in bone density — that a generic screen was never built to reveal. MDDC-2424 is designed specifically for that job: a display created so dental specialists and their practices can trust every image they read, in every room, every time.

Confidence in every detail

MDDC-2424 keeps subtle findings visible instead of lost in noise: early caries, periodontal ligament changes, hairline fractures, fine bone structure. The full study is shown in one clear view, without cropping or endless scrolling.

Quality that holds over time

Day-one quality that drifts isn't diagnostic quality. An integrated front-of-screen sensor and QAWeb-managed calibration keep brightness and contrast stable throughout the display's working life — predictable year after year, and uniform from one workstation to the next.

Made for the clinic, not the office

A certified medical device with a housing designed to be cleaned between patients, plus the connectivity and mounting flexibility a real dental workflow needs. It fits into clinical routine rather than complicating it.

Every dental specialty covered



MDDC-2424 supports the specialties that depend on precise imaging:

- Endodontics: gingival tissue, cortical and medullary bone, and root-end depth, with accurate grayscale reproduction.
- Prosthodontics: dependable 3D visualisation of edentulous sites for implant planning.
- Orthodontics: panoramic clarity for implants, impacted teeth, TMJ assessment and orthognathic planning.
- Periodontics: sensitivity to detect alveolar bone level changes and osseous defect architecture.
- Oral & maxillofacial surgery: the detail that reconstruction and extraction planning demand on CBCT.

Quality assurance and compliance, built in

QAWeb Enterprise, Barco's cloud-based QA platform, automates calibration and testing across every workstation — no local server, with audit-ready reporting and enterprise-grade data protection. QAWeb for DIN 6868-157 automates acceptance and consistency testing for both dental room classes the standard defines, with compact reports for straightforward record-keeping.

技術仕様	MDDC-2424
一般仕様	
スクリーン技術	ADS
アクティブスクリーンサイズ（対角線）	24"
アクティブ画面サイズ（H x V）	518.4 mm x 324 mm
アスペクト比（H:V）	16:10
解像度	2 MP (1920 x 1200 pixels @ 60 Hz)
ピクセルピッチ	0.27 mm
カラー画像処理	Yes
グレー画像処理	Yes
ビット深度	8 bit per R, G, B
視野角（H、V）	178°
カラーキャリブレーション(sRGB)	Yes
色域	Refer to panel specification
フロントセンサー（FLOS）	Yes
最大輝度（パネル標準）	600 cd/m^2
DICOM校正輝度	350 cd/m^2
コントラスト比（パネル標準）	1000:1
応答時間 ((Tr + Tf)/2) (標準)	14 ms
ハウジングカラー	RAL 9003
ビデオ入力信号	1x DisplayPort 1x DVI-D 1x DVI-A 1x HDMI
USBポート	1x USB 2.0 Type-B upstream 2x USB 2.0 Type-A downstream
定格電力	12 Vdc, 5A
消費電力	< 28 W < 0.3 W (hibernate) < 0.3 W (switched off)
スタンド付き寸法（幅×高さ×奥行き）	Portrait: 383 x 577.1~629.1 x 201.3 mm Landscape: 568 x 420.6~530.6 x 201.3 mm
スタンドなしの寸法（幅x高さx奥行き）	568 x 383 x 67.3 mm
パッケージ寸法（W x H x D）	681 x 512 x 198 mm
スタンド付き正味重量	6.8 kg
スタンドなしの正味重量	4.6 kg
包装時の正味重量	11.2 kg
傾斜範囲	-5° to +22°
ピボット	90°
高さ調整範囲	110 mm
取り付け規格	VESA (100 mm)

技術仕様	MDDC-2424
スクリーン保護	All digital images, except digital mammography.
証明書	CE 0123 (Medical Device) Safety specific: IEC 60601-1:2005 + AMD1:2012+ AMD2:2020 EN 60601-1:2006 + A1:2013 + A12:2014 IEC 62368-1:2018 EN 62368-1:2020 + A11:2020 IEC 60601-1-6:2010 + AMD1:2013 + AMD2:2020 EMC specific: IEC 60601-1-2:2014 + A1:2020 EN 60601-1-2:2015 + A1:2021 Environmental: EU RoHS, REACH, WEEE, Packaging Directive
同梱アクセサリ	1x DisplayPort video cable 1x USB cable 1x Printed user guide (in English, other languages can be found on the documentation disc) 1x Documentation disc 1x System sheet Mains cable Cable cover Cable clamp External power supply
QAソフトウェア	QAWeb Enterprise, QAWeb for DIN
保証	5 years
動作温度	0°C to +40 °C
保管温度	-20 °C to +60 °C
動作湿度	20 % to 80 % (non-condensing)
保管湿度	10% to 80 %
最小動作圧力	70 kPa
保管気圧	50 to 106 kPa

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