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.

技术规格	MDDC-2424
一般规格	
屏幕技术	ADS
显示区域屏幕大小（对角线）	24"
显示区域屏幕大小（水平 x 垂直）	518.4 mm x 324 mm
纵横比 (H:V)	16:10
分辨率	2 MP (1920 x 1200 pixels @ 60 Hz)
像素间距	0.27 mm
彩色成像	Yes
灰度成像	Yes
位深度	8 bit per R, G, B
视角 (H, V)	178°
颜色校准(sRGB)	Yes
色域	Refer to panel specification
前传感器 (FLOS)	Yes
最大亮度（面板典型值）	600 cd/m^2
DICOM 校准光源	350 cd/m^2
对比度（面板典型值）	1000:1
响应时间 ((tR+TF)/2)（典型值）	14 ms
外壳颜色	RAL 9003
视频输入信号	1x DisplayPort 1x DVI-D 1x DVI-A 1x HDMI
USB 端口	1x USB 2.0 Type-B upstream 2x USB 2.0 Type-A downstream
额定功率	12 Vdc, 5A
功耗	< 28 W < 0.3 W (hibernate) < 0.3 W (switched off)
带支架尺寸（宽 x 高 x 深）	Portrait: 383 x 577.1~629.1 x 201.3 mm Landscape: 568 x 420.6~530.6 x 201.3 mm
不含支架的尺寸（宽 x 高 x 深）	568 x 383 x 67.3 mm
包装尺寸（宽 x 高 x 深）	681 x 512 x 198 mm
带支架净重	6.8 kg
不含支架净重	4.6 kg
包装净重	11.2 kg
倾斜	-5° to +22°
转动	90°
高度调节范围	110 mm
安装标准	VESA (100 mm)

技术规格	MDDC-2424
Screen Protection	All digital images, except digital mammography.
认证	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
随附配件	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 软件	QAWeb Enterprise, QAWeb for DIN
保修政策	5 years
运行温度	0°C to +40 °C
存储温度	-20 °C to +60 °C
工作湿度	20 % to 80 % (non-condensing)
储存湿度	10% to 80 %
最低运行压力	70 kPa
存储压力	50 to 106 kPa

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