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.

기술 사양	MDDC-2424
일반 사양	
스크린 기술	ADS
활성 화면 크기(대각선)	24"
활성 화면 크기(H x V)	518.4 mm x 324 mm
종횡비(H:V)	16:10
해상도	2 MP (1920 x 1200 pixels @ 60 Hz)
픽셀 피치	0.27 mm
컬러 이미징	Yes
그레이 이미징	Yes
비트 심도	8 bit per R, G, B
시야각(H, V)	178°
색상 보정(sRGB)	Yes
색 영역	Refer to panel specification
전면 센서(FLOS)	Yes
최대 휘도(패널 일반)	600 cd/m^2
DICOM 보정 휘도	350 cd/m^2
명암비(일반 패널)	1000:1
응답 시간((Tr + Tf)/2)(일반)	14 ms
하우징 컬러	RAL 9003
비디오 입력 신호	1x DisplayPort 1x DVI-D 1x DVI-A 1x HDMI
USB 포트	1x USB 2.0 Type-B upstream 2x USB 2.0 Type-A downstream
전력 등급	12 Vdc, 5A
소비전력	< 28 W < 0.3 W (hibernate) < 0.3 W (switched off)
스탠드 포함 치수(W x H x D)	Portrait: 383 x 577.1~629.1 x 201.3 mm Landscape: 568 x 420.6~530.6 x 201.3 mm
스탠드 제외 치수(W x H x D)	568 x 383 x 67.3 mm
패키지 크기(W x H x D)	681 x 512 x 198 mm
스탠드가 있는 순중량	6.8 kg
스탠드가 없는 순중량	4.6 kg
포장된 상태의 순 중량	11.2 kg
기울기	-5° to +22°
피벗	90°
높이 조정 범위	110 mm
장착 표준	VESA (100 mm)

기술 사양	MDDC-2424
화면 보호	All digital images, except digital mammography.
인증	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
제공되는 액세서리	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 소프트웨어	QAWeb Enterprise, QAWeb for DIN
보증	5 years
작동 온도	0°C to +40 °C
보관 온도	-20 °C to +60 °C
작동 습도	20 % to 80 % (non-condensing)
보관 습도	10% to 80 %
최소 작동 압력	70 kPa
보관 압력	50 to 106 kPa

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