



# Olorin MC221D



## 2MP Clinical & Dental DICOM monitor

- 21.5" monitor with 1920 x 1080 resolution
- Front sensor for Calibration and QA regulation
- Ambient light sensor with warning indicator

## Specification

<b>LCD Panel</b>	Backlight Type	WLED
	Screen Technology	IPS
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	21.5"
	Screen Size, H/V	475.2 x 267.3 mm
	Aspect Ratio	16:9
	Megapixel	2 MP
	Resolution	1920 x 1080, FHD
	Color Depth	16.7M, 72% NTSC
	Contrast Ratio	1000:1 (Typ.) TM
	Luminance	250 cd/m <sup>2</sup> (Typ.)
	Viewing Angles	178 / 178
	Response Time	14 ms (G to G)
	Refresh Rate	60 Hz
	<b>Display Modes</b>	Calibration
DICOM		DICOM Preset @ 180 cd/m <sup>2</sup>
Temperature		User (RGB)
<b>Features</b>	Video Scaling	Full, 1:1, 4:3, 5:4, 16:9
<b>Sensors</b>	Ambient Light Sensor	Yes
	Front Sensor	Yes
	Presence Sensor	Yes
	Automatic Luminance Stabilization	Olorin ALS
<b>Video Inputs</b>	DisplayPort	DisplayPort x 1
	DVI	DVI-I 29 pin x1 (DVI-D)
	VGA	D-sub 15 pin x 1
<b>USB</b>	Calibration	USB Type B x 1
<b>Power</b>	Power Input Type	External adapter
	Power Input Rating	100V~250Vac, 1.5-0.75A, 50-60Hz
	Adapter Power Output Rating	12 Vdc, 5.0A
	Power consumption	Full Brightness: 35 W Power Saving: 2 W

Olorin MC221D monitor is designed for Healthcare specialists, primarily in the Dental market. The monitor combines hardware functionality found in high end displays with image quality that conforms to the DICOM standard.

### Excellent image quality

MC221D features a high quality LCD panel with bright LED backlight, with sharp images and smooth grayscale that covers the entire DICOM standard. The monitor's image quality is controlled with its built-in Front sensor and Calibration software to ensure the MC221D stays consistent for professional use.

### Quality control without the need of extra hardware

MC221D and its host computer can be connected to a centralized QA software for Calibration and indexing so that the technical department never have to manually verify image quality with external sensors or third party tools. Administrators can easily download a full sheet of all their monitors and see expected lifetime and quickly verify potential issues.

### Tools for managing your working environment

MC221D's power indicator will turn off once the monitor has reached optimal luminance and temperature to make sure its user isn't distracted while viewing medical images. The MC221D's power indicator can also be set to warn the user if the ambient light becomes too bright for optimal review conditions. The monitor also features a standard VESA mount to make sure it can be mounted on virtually any type of arm or base unit.

<b>Mechanical</b>	Dimensions without Base Unit	537.4 x 328.9 x 65 mm
	Weight without Base Unit	4.9 Kgs
	Housing Color	Black
	Housing Material	Plastic
	IP Rating	N/A
	Mounting Standard, VESA	100 x 100 mm
	LED Indicator	Green: Warming up Orange: Stand-by Off: ON or OFF
	OSD Interface	Potentiometer on Right Side
	Screen Protection	N/A
	Security slot	Kensington Security Slot
<b>Compliance</b>	EU	CE(IEC/EN 60601-1:2005, 3rd edition; EN 60601-1-2), RoHS
	<b>Warranty</b>	DOA Three (3) months, max. 500 h.
	Standard	Two (2) years

## Order no. Monitor

Part no.	Item
MC22126	Monitor, without base unit

## Order no. Accessories

Order no.	Item
ML89014	PerfectLum Calibration software (client)
XAVL19012	Desktop Base unit (large), height adjustable
XAVL22012	Desktop Base unit (small), fixed height

