



Olorin MCD270



3.7MP DICOM monitor for Healthcare

- 27" monitor with 2560 x 1440 resolution
- Front sensor for Calibration and QA regulation
- Ambient light sensor with warning indicator

Specification

LCD Panel	Backlight Type	WLED
	Backlight Lifespan	30 000 hours
	Screen Technology	AHVA
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	27.0"
	Screen Size, H/V	596.736 x 335.664 mm
	Aspect Ratio	16:9
	Megapixel	3.7 MP
	Resolution	2560 x 1440, WQHD
	Color Depth	1.07B, 100% sRGB
	Contrast Ratio	1000:1 (Typ.) (TM)
	Luminance	350 cd/m ² (Typ.)
	Viewing Angles	178 / 178
	Response Time	12 ms (G to G)
	Refresh Rate	60 Hz
Display Modes	Calibration	Internal LUT
	DICOM	DICOM Preset @ 280 cd/m2
	Gamma	1.8, 2.0, 2.2, 2.4
	Temperature	Cool, Neutral, Warm, User (RGB)
Features	Picture-in-Picture, PbP, PoP	PiP, PbP2, PoP
Sensors	Ambient Light Sensor	Yes
	Front Sensor	Yes
	Presence Sensor	Yes
	Automatic Luminance Stabilization	Olorin ALS
Video Inputs	DisplayPort	DisplayPort 1.2a x 1
	DVI	DVI-I 29 pin x1 (DVI-D)
USB	Calibration	USB Type B x 1
	USB Downstream	USB Type A x 2
	USB Upstream	USB Type B x 1
Power	Power Input Type	External adapter
	Power Input Rating	100-240Vac, 1.5-0.75A, 50-60 Hz
	Adapter Power Output Rating	24Vdc, 3.75A
	Power consumption	Full Brightness: 65 W Power Saving: 5 W

Olorin MCD270 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

MCD270 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 MCD270 stays consistent for professional use.

Quality control without the need of extra hardware

MCD270 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

MCD270'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 MCD270'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.

Mechanical	Dimensions with Base Unit	664.33 x 572.44 x 269.94 mm
	Weight with Base Unit	13.8 Kgs
	Housing Color	Black
	Housing Material	Plastic
	IP Rating	N/A
	Mounting Standard, VESA	100 x 100 mm, 200 x 100 mm
	LED Indicator	Green: ON Orange: Stand-by
	OSD Interface	Potentiometer on Right Side
	Screen Protection	N/A
	Security slot	Kensington Security Slot
Ground bolt	Potential equalization bolt	
Compliance	EU	CE(EN 60601-1)
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. Monitor

Part no.	Item
MCD27002	Monitor, with base unit (XAVL24012)

Order no. Accessories

Order no.	Item
ML89014	PerfectLum Calibration software (client)

