Olorin MCD271

8MP DICOM review monitor for Healthcare

- 27” monitor with 3840 x 2160 resolution
- High brightness panel
- Front sensor for Calibration and QA regulation

Olorin MCD271 monitor is designed for Healthcare specialists, primarily as a review monitor The monitor combines hardware functionality found in high end displays with image quality that conforms to the DICOM standard.

Excellent image quality

MCD271 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 MCD271 stays consistent for professional use.

Quality control without the need of extra hardware

MCD271 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.

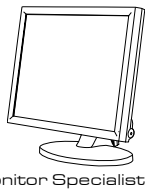
Tools for managing your working environment

MCD271’s protective glass will keep the LCD panel safe from any scratches that could damage the display element. The monitor also features a standard VESA mount to make sure it can be mounted on any type of arm.

Specification

LCD Panel	Backlight Type	WLED
	Screen Technology	AHVA
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	27.0”
	Screen Size, H/V	596.16 × 335.34 mm
	Aspect Ratio	16:9
	Megapixel	8 MP
	Resolution	3840 x 2160, UHD
	Color Depth	1.07B, 93% DCI-P3
	Contrast Ratio	1000:1 (Typ.) (TM)
	Luminance	500 cd/m² (Typ.)
	Viewing Angles	89/89/89/89 (Typ.)(CR≥10)
	Response Time, ms	16 (Typ.)(Tr+Td)
	Refresh Rate	60 Hz
Display Modes	Calibration	Internal LUT
	DICOM	DICOM Preset
	Gamma	1.8, 2.0, 2.2, 2.4
	Temperature	Cool, Neutral, Warm, User (RGB)
Features	Auto Source	Yes, selectable On/Off
	Video Scaling	Full, 1:1, 4:3, 5:4, 16:9
Sensors	Front Sensor	Yes
	Automatic Luminance Stabilization	Olorin ALS
Video Inputs	DisplayPort	DisplayPort x 1
	HDMI	HDMI x 2
Control Inputs	DDC/Ci via HDMI	Yes, selectable On/Off
USB	Firmware Upload	USB Type A x 1
Audio	Audio Input	Phone Jack 3.5mm x 1
	Speakers	1W x 2

Power	Power Input Type	External adapter
	Power Adapter Input Rating	100-240Vac, 1.5-0.75A, 50-60 Hz
	Power Adapter Output Rating	24Vdc, 3.75A
	Power consumption	Full Brightness: < 60 W Power Saving: < 3 W
Mechanical	Housing Color	Black
	Housing Material	Plastic
	Mounting Standard, VESA	100 x 100 mm
	LED Indicator	Green: ON Orange: Stand-by
	OSD Interface	Sensor Keys on Front Bezel
	OSD Sensor Keys	Exit, Up, Down, Menu, Power
	Screen Protection	AG Protective Glass
	Security slot	Kensington Security Slot
	Ground bolt	Potential equalization bolt
	Dimensions with Base Unit	651 x 442 x 175 mm
	Weight with Base Unit	10.4 Kgs
Compliance	EU	CE: EN 60601-1-2 ; IEC/EN 60601-1; RoHS (2011/65/EU & 2015/863/EU)
	EU Energy efficiency class (SDR)	G
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. Monitor

Part no.	Item
MCD27102	Monitor, with base unit