

OPTOMED LUMO

Technical Specifications



Optomed Lumo Camera

Type	Non-mydriatric digital fundus camera
Field of view	50° (total field of view 50° x 40°)
Camera sensor resolution	12.3 MP
Optical resolution	> 60 lp/mm (ISO10940:2009)
Fixation targets	9 pcs
Minimum pupil size	3 mm
Illumination types	Infrared LED for aiming Visible white LED for imaging
Display	5", TFT-LCD, 1280x720 pixels 16.7 M colors (Touch screen)
Image memory type	Internal 16 GB memory
File formats	JPEG
Data transfer	DICOM, DICOMweb
Exposure	Auto Exposure, Manual Exposure
Diopter compensation	-20 D to +20 D (manual focus) -15 D to +10 D (autofocus)
Type of photography	Color, Red-Free
Security features	PIN code protection Two-factor authentication Drive encryption (AES-256)
Connectivity	WLAN (IEEE 802.11a/b/g/n/ac, WPA2 2.4 GHz & 5 GHz), USB-C, USB 2.0 High Speed Device
Software	Optomed Client (Windows 10&11, Android, macOS, iOS and iPadOS)

Additional services	Optomed Portal Cloud-based AI service
Battery	7.2 V / 3450 mAh / 24.84 Wh Rechargeable Li-Ion battery
Usage time	6 hours*
Spare battery charging time	2 hours
Dimensions	141 (w) x 200 (h) x 240 (d) mm
Weight	930 g
Other	Optomed Lumo Charging Station Wrist strap
Optional Accessories	Optomed Lumo Desktop Base Optomed Travel Pack E-Safe disposable eye-cups
Warranty	2 years excluding batteries

**Image capture of 4 patients per hour, 4 images per patient, camera in standby mode between patients*

Optomed Lumo Desktop Base

Dimensions	409 (w) x 403 (h) x 460 (d) mm
Weight	5.05 kg
Connections	USB-C connector

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www.optomed.com

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