Customer Site Requirements Guide - P200

The following information outlines the equipment customers must have in place before an Optos device can be installed.
More details can be found in the Technical Data Specification. Please contact Optos for more information (see www.optos.com).

Network

Customers must provide the network needed to connect the scan head to the PCs and servers in the system.

Optos will supply expertise on the device and assist a customer network specialist in providing information so the device can be connected to a customer network. Optos is not specialized in networks and therefore can only help support networks from a product data perspective.

Network:	100 BaseT[1].
Cabling:	CAT5 or better.
Protocol:	TCP/IP.
PC Cards:	10/100/1000 autosensing NIC[2].

Electrical Requirements

Customers must provide a dedicated power supply.

Europe:	220-240V, 50/60Hz, 7A
North America:	100-120V, 50-60Hz, 15A

Customer Supplied Viewing PCs

Customer supplied Viewing PCs should meet the following specification. Apple® Mac® computers are not compatible with Optos devices.

Any PCs being purchased should exceed the recommended specification to gain the longest lifespan from the new PC.

Existing customer PCs can be used as Viewing PCs.

Processor:	Intel Pentium-4 (or equivalent)[1].
RAM:	256MB[1].
Graphics Card:	1280 x 1024 with 24 bit color (32MB Video RAM) 3D graphics support from motherboard chipset or plug in card[1].
Monitor:	CRT or flat panel[3].
Hard Disk:	500MB free[1].
Operating System	Windows 2000 Professional SP4 or Windows XP Home SP2 (32 bit).

Internet Access

Customers are required to provide broadband internet access prior to the installation of the equipment. This ensures that the system can transfer system and diagnostic logs to Optos. This also allows for potential remote diagnostic repair and software upgrades. Optos will never access patient data information files without customer's permission.

Emailing optomap® Retinal Images

Please note that although **opto**map® images can be emailed from the Review Application, the device does not receive incoming emails. Customers need their own email address to receive a response to any images sent.

Printing optomap® Retinal Images

Installation of a printer is the responsibility of the customer. Optos does not provide any support for the performance of that printer. Optos cannot guarantee any minimum performance level nor output quality from any standard printer due to the nature of the printing processes. Printed images should therefore not be used for diagnosis.
NOTE: Optos' Medical Device certification does not allow direct connection of any printer to the scan head. The printer must be connected to another PC on the network or via a network printer port.
We would initially recommend a high quality letter/A4 inkjet printer to give a balance between cost of purchase, cost of consumables and image quality. If printing a large numbers of images, you may wish to consider printers with higher capital cost, but lower cost of consumables such as a color laser printer.

Space Requirements (to the nearest unit)

The instrument may be placed in a corner, with the PC table overlapping the feet using a bare minimum triangular area of 1525mm (60 inches) by 1730mm (68 inches) along the corner wall.

Width:	1620mm (64 inches)	Weight:	170kg (375 lbs)
Depth:	850mm (34 inches)	Door access width:	760mm (30 inches)
Height:	1393mm (55 inches) to 1693mm (67 inches).		

Environmental Requirements (ambient)

Low ambient light levels are required for effective image capture.

Temperature	Relative Humidity	Atmospheric Pressure
+10°C to +40°C	30% to 75%	700hPa to 1060hPa
Do not use in an environment in which the device may be exposed to flammable anesthetic mixtures.		

[1] Lower specifications may be used, but with reduced performance and reliability. These levels may be acceptable for features, except 3D Wrap™.
[2] Network Interface Cards.
[3] Contrast ratio can vary between different flat screens. It is the customer's responsibility to evaluate the screen image to ensure that it meets his/her requirements for monitoring the retina.