



Making early detection easier

An increasing number of melanoma diagnoses are being observed in many parts of the world. About 160 000 cases of melanoma are reported yearly. Moreover, statistics¹ show that melanoma is increasingly affecting younger individuals. As for all deadly diseases, the earlier they are detected, the greater is the chance of survival.

Dermatoscopy is an essential tool for examining key morphological structures of skin lesions. These structures are normally in the epidermis and upper dermis and therefore not easily detected by the naked eye. By using a dermatoscope, further characteristics of lesions patterns can be identified which improves the diagnostic accuracy.

Compared to diagnosing melanomas with the naked eye, studies² have shown that the use of dermatoscopes as a tool for detecting the disease, gives earlier and more accurate diagnoses.

Use of dermatoscopes lead in practice to increased efficiency and higher accuracy to distinguish malignant from benign lesions. It also improves the detection of melanoma.

By using dermatoscopy to aid the naked eye, some research² shows that the accuracy of diagnoses is increased by up to 20% for sensitivity and by up to 10% for specificity. This means a significant reduction of unnecessary surgical excisions of benign skin lesions.

1) Parkin D, Bray F, Ferlay J, Pisani P (2005). "Global cancer statistics, 2002"

2) Vestergaard, ME; Macaskill, P; Holt, PE; Menzies, SW (2008). "Dermo-scopy compared with naked eye examination for the diagnosis of primary melanoma: a meta-analysis of studies performed in a clinical setting".





Information for important decisions

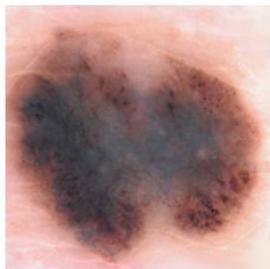
Optilia dermatoscope is a hand-held, state-of-the-art video dermatoscopy system with advanced optics, user-friendly interface and sophisticated database software. The system is equipped with three exchangeable optical lenses producing 5 different magnifications from 20x to 200x to suit any examination. The optical system has polarized light source to cancel out reflections from the skin surface and make subsurface features visible with-

out the use of any liquid interface. Optilia dermatoscope can be used to image lesions to 30 mm fields of view on all areas of skin.

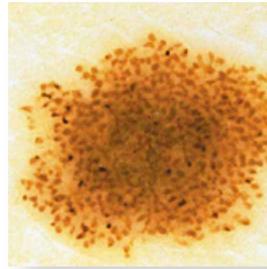
The system is very easy to use and provides sharp and detailed images with accurate color representation. Patients' data is encrypted in a secure data base and can only be accessed by authorized personnel.



Polarized 50x, Reticular pattern



Polarized 30x, Malignant melanoma



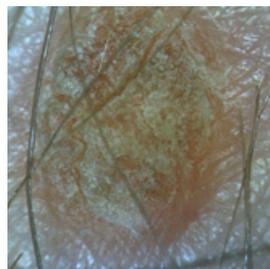
Polarized 20x, Globular pattern



Polarized 50x, pseudonetwork



Polarized 50x



Unpolarized 50x



Polarized 50x, Lacunar pattern

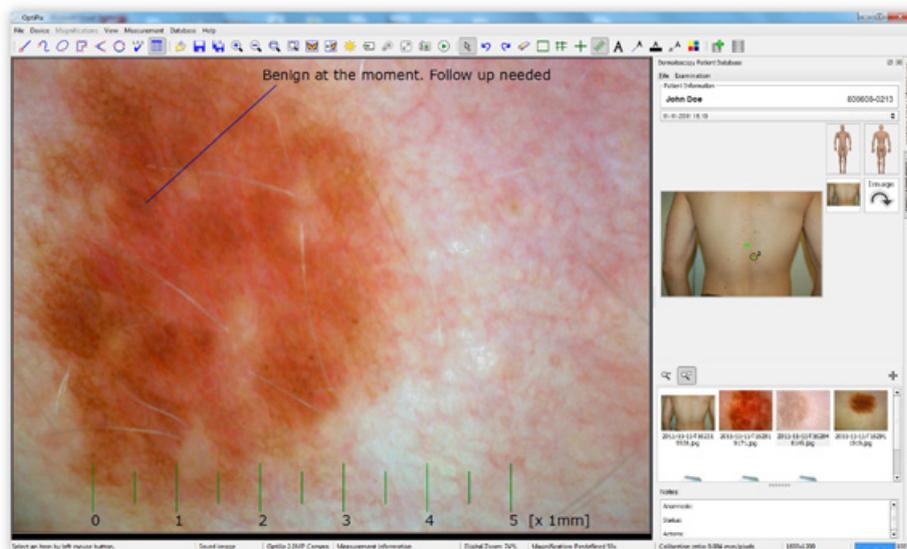


Polarized 50x, Lacunar pattern



The power of a click

Optilia's OptiPix dermatoscopy software has a powerful and user-friendly interface for documenting, analyzing and following-up patient examinations. OptiPix is built around a secure patient database system for image, text and data storage. The database manager includes a powerful search function for easy access of specific patient information and patient examinations. The system includes a sophisticated imaging platform for body mapping of lesions. Suspicious lesions can easily be marked on and linked to a body illustration or digital photos of the patient for filing, further analysis or for follow-up.



New images can be compared with older images side by side. This together with precise measurements of the lesion gives a reliable comparison method where slight variation can be identified and monitored. The software offers dermatologist additional tools for recording anamnesis, current status of the patient and other information for each examination. Each examination can be printed out as a report, e-mailed over internet or be archived in the patient file.



Optilia Dermatoscope can be used on all areas of skin. It is user-friendly and provides sharp and detailed images with accurate colour representation

Optilia sets for applied examinations



Optilia Digital Dermatoscope Basic system

Included items:

- Mediscope Digital video microscope
- 20x-50x varifocal lens with LED illumination and dry polarized optics
- 20x dry extension contact adapter
- 50x dry extension contact adapter
- OptiPix Lite, image view, capture and measurement software
- Image capture foot-switch
- Desk-top holder for Mediscope
- Aluminum transport case



Optilia Digital Dermatoscope Standard system

Included items:

- Mediscope Digital video microscope
- 20x-50x varifocal lens with LED illumination and dry polarized optics
- 20x dry extension contact adapter
- 30x dry extension contact adapter
- 50x dry extension contact adapter
- OptiPix Dermatoscopy software Image view, capture and analysis with secure patient database
- Image capture foot-switch
- Desk-top holder for Mediscope
- Aluminum transport case
- Laptop or PC installed and ready



Optilia Digital Dermatoscope Extensive system

Included items:

- Mediscope Digital video microscope
- Digital system camera with stand
- 20x-50x varifocal lens with LED illumination and dry polarized optics
- 20x, 30x and 50x contact adapters
- Immersion fluid glass adapter 50x with measurement scale
- Immersion oil dropper
- OptiPix Dermatoscopy software Image view, capture and analysis with secure patient database
- Image capture foot-switch
- Desk-top holder for Mediscope
- Aluminum transport case
- Laptop or PC installed and ready
- Mobile ergonomic workstation

Specification

Portable, light weight Video Dermatoscope with high resolution 3.0 MegaPix (2000Hx1500V) colour image sensor
User-friendly OptiPix Dermatoscopy software with powerful body map structure and secure patient data base
Attachable 20x to 50x magnification varifocal lens with polarized optics for liquid-free tissue and skin imaging
Exchangeable 20x, 30x and 50x magnification Contact Adapters with capability to be washed and sterilized
High intensity and long life polarized light source (12 pcs LEDs) for excellent image colour reproduction
Optional 200x & 100x high resolution objective lenses with immersion oil contact adapter
Built-in push button or external foot pedal or for easy image capture and recording
Mobile ergonomic workstation for easy transport and access to patients
Ergonomic Desk-top holder and transport case for maximum mobility
Video Dermatoscope size with lens: 150x55x36 mm (LxHxW)
Video Dermatoscope weight with lens: 200 grams
Video Dermatoscope cable length: 2.5 mm

Ordering information

Optilia Digital Dermatoscope, Basic system
Optilia Digital Dermatoscope, Standard system
Optilia Digital Dermatoscope, Extensive system

Product No. OP-120 012
Product No. OP-120 013
Product No. OP-120 014



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Optilia Video Dermatoscope

for efficiency and precision

