

DERMOGENIUS ULTRA POLARISED & DERMOSCAN X2

The reliable duo for skin cancer screening

Digital Dermoscopy & Total Body Mapping System

- ▶ Now with polarised light
- ▶ Excellent image quality
- ▶ User-friendly and mobile
- ▶ Standardized images for optimal comparability in follow-up examinations



Preventive medicine is all about teamwork

Digital dermoscopy and Total Body Mapping for optimal results

The big picture at a glance and at the same time an eye for detail: a comprehensive skin cancer screening requires both. Digital systems increase monitoring reliability and enhance time management in the practice. Digital workflows speed up analysis and procedures, while still giving you the freedom to respond individually to each patient.

DERMOGENIUS ULTRA POLARISED



Camera and software

Camera for digital dermoscopy

- ▶ Integrated specialized camera (5 MPixel)
- ▶ Optics „Made in Germany“ incl. polarisation
- ▶ Good mobility thanks to Plug & Play
- ▶ Ergonomically shaped, and light to carry

Software for digital photo-documentation

- ▶ Centralized image management on one server
- ▶ Data acquisition and storage by patient and location
- ▶ Convenient image management, intuitive help system



Complete system for the whole body

The complete system for full-body documentation

- ▶ Two fixed cameras and a professional studio flash
- ▶ Fast standardized photography for follow-up examinations
- ▶ Automatic evaluation of new and altered moles
- ▶ Optional polarisation kit (retrofitable)
- ▶ Compatibel with DermoGenius ultra

DermoGenius ultra polarised

High-tech, pocket sized

Digital dermoscopy for regular use in the daily routine of the practice

220 grams of technology for precise diagnoses, combined with powerful software: the DermoGenius ultra is everything a dermatologist needs. With quality materials and excellent workmanship, it is easy to use and produces high resolution images beyond Full HD.



UNIVERSAL ULTRA HD DATABASE NETWORK IMAGE COMPARISON INTUITIVE WIFI-SD POL/NPOL



CAMERA

With 5 MPixel and optics "Made in Germany", the specialized camera in the DermoGenius ultra produces high-resolution standardized images – now also with polarisation for a reflection-free picture without immersion fluid.

HANDLING

A camera module that fits comfortably in your hand, and a system that requires no regular maintenance. And in the unlikely event of a problem: DermoScan offers a hotline, remote maintenance, and an exchange service.

FLEXIBILITY

Thanks to Plug & Play, the DermoGenius ultra is a mobile companion in surgeries, practices and clinics – whether in the single-user or network version. We will be happy to advise you which solution is the right one for you.

High-resolution images



Convenient camera module



Mobile companion thanks to plug & play



Digital documentation made simple

Two photography modes allow greater flexibility:

The live mode for fast screening without prior localization definition and the standard mode with prior localization. The DermoGenius ultra software then draws the threads together. It contains the patient and image database that everything else is built on.



Side by side comparison

A screenshot of the DermoGenius ultra software interface. On the left, a sidebar shows a patient's folder with a list of lesions: Kopf - 1, Rumpf - 2, Rumpf Unterbauch mittig - 3, Rumpf Unterer Rücken rech - 4, Bein Oberschenkel Beugeseite links - 5, and 11.07.2018 001EXR.jpg. The main window shows a macroscopic image of a dark brown lesion on a light skin background. To the right, there is a form for 'Befund/Lokalisation' (Findings/Localization) with fields for 'Kein Befund' (No finding), 'Histologie' (Histology), and 'Bemerkung zum Befund/Lokalisation' (Comment on finding/localization). Below this are 'Scores' for A2, C2, and D3, and a 'Score-Wert' of 4.9. A small diagram of a leg with a red dot is also visible.

Documentation of findings

PATIENT DATA

All microscopic and macroscopic images are filed away according to patient and localization.

Furthermore it is possible to use an expert statistics module for research purposes.

IMAGE MANAGEMENT

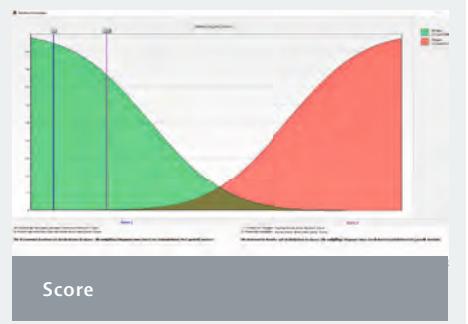
The gallery view and a chronologically ordered display offer comfortable image management and hence a speedy overview of treatment history.

For small details, the image can be zoomed on-screen.

MoleExpertMicro

Software add-on for the automatic analysis of pigmented moles

MoleExpertMicro is an optional software add-on for the evaluation of dermoscopic images. It analyses pigmented skin lesions and calculates a score based on the ABCD rule and other criteria, which helps the dermatologist to arrive at a diagnosis.



Score

IMAGE COMPARISON

The synchronic display function is particularly interesting for follow-up examinations. Changes can also be visualised easily by deploying the overlay function.

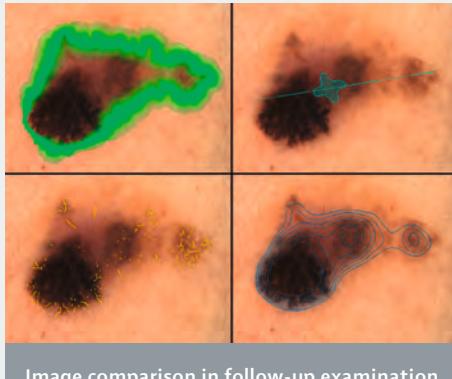


Image comparison in follow-up examination

EVALUATION

The score is based on analysis and comparison with a comprehensive image database. It ranges from 5 (inconspicuous) to -5 (suspicious).

DermoScan X2

Total Body Mapping in seconds

Standardized full-body documentation in just four clicks

Comprehensive skin cancer screening also includes full-body documentation. However, this can be time-consuming, particularly when patients have multiple melanocytic nevi, and it is difficult without technical support. DermoScan X2 identifies new and altered pigmented moles and is therefore particularly suitable for follow-up monitoring.



ULTRA HD



DATA BASE



NETWORK



IMAGE COMPARISON



INTUITIVE



POL/NPOL (optional)



EFFICIENT



LOW MAINTENANCE



STANDARDIZED

CAMERA SYSTEM

The X2 works with two fixed-position high-resolution cameras, a studio flash and a 27" Touch Screen. These require no readjustment for each new patient. The X2 produces outstanding standardized images, with an option to use polarised light.

IMAGE MANAGEMENT

With DermoGenius ultra, a routine examination becomes a complete skin cancer screening. Once full-body images have been captured with the X2, individual conspicuous birthmarks can be transmitted to DermoGenius ultra and photographed microscopically. A year later, new images are taken, which the X2 examines for abnormalities and changes, using the MoleExpertMacro software. These are also sent to the DermoGenius ultra in order to create microscopic comparative images.



ANALYSIS

The Software MoleExpertMacro – either directly integrated into the X2 or as an add-on to the DermoGenius ultra software – marks all moles according the traffic-light system: green for unaltered nevi, amber for new lesions, and red for suspicious or altered symptoms. For an easy overview, it is possible to filter these three categories.



Analysis DermoScan X2



MoleExpertMacro



Image DermoScan X2



Image DermoScan X2 polarised

THE DERMOSCAN WIFI CARD

As an alternative to the X2, you can also take an overview picture with a standard SLR camera. Using our DermoScan WiFi card you can import these photographs directly into the database and use them as localization images.

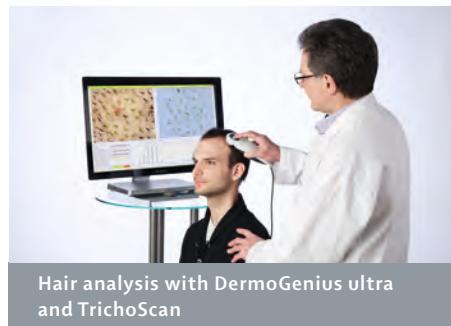
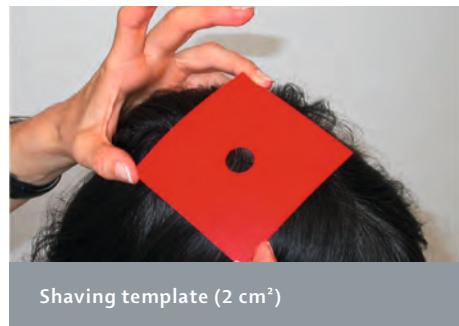
TrichoScan

Optional Software for hair analysis

Perfect for a trichological examination: TrichoScan is an add-on for DermoGenius ultra that offers a computer-aided evaluation of hair density and hair root status, ideal for follow-ups and progress monitoring in patients with hair loss. The procedure is painless and fast, the results are replicable.

SOFTWARE TO MEASURE

- ▶ Number of hairs / hair density,
- Number of vellus hairs / vellus hair density,
- Number of terminal hairs / terminal hair density
- ▶ Anagen/telogen rate



Hair analysis in four steps

STEP 1

Shave a 2 cm² area of the scalp where it is not visible

STEP 2

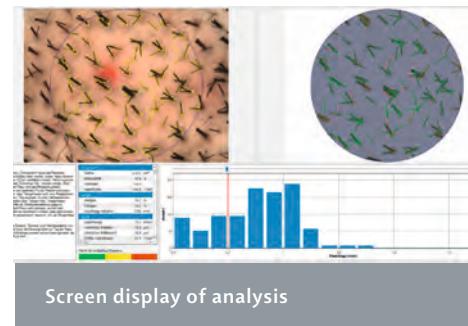
Two days later, dye the hair and photograph with DermoGenius ultra

STEP 3

TrichoScan analyses this and identifies important parameters in around 30 seconds

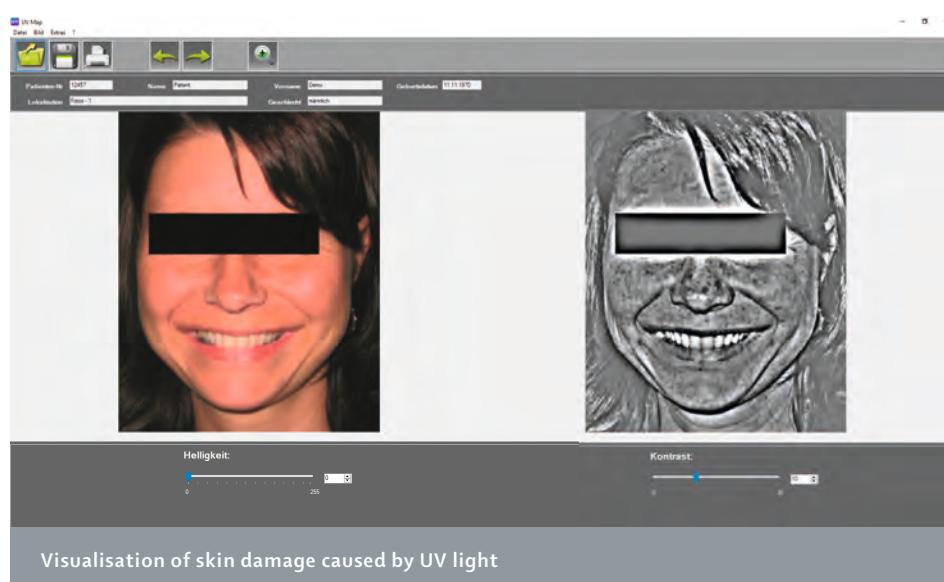
STEP 4

Comparative follow-up after a few months



UV-Map

Optional software for the visualisation of sun damage



Early aging, uneven pigmentation, spots and wrinkles: if skin is regularly exposed to UV radiation, it suffers. The add-on UV-Map makes this sun damage visible, and thus aids communication with the patient.

To this end, special algorithms convert colour photographs to black-and-white ones on which any pigment disorders and sun-exposed areas appear dark and with enhanced contrast.

DermoScan – gets under your skin

9 GOOD REASONS FOR DERMOSCAN

We make your daily working routine

Your patients benefit from

We stand for



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