microDERM®

# ultraSCAN UV

Visualization of sun damage and skin aging

## microDERM dynaSCAN at one glance

- Visual display of sun damages and skin aging
- Computation of skin aging
- Objective and reproducible evaluation
- Ideally suited as preliminary stage for PDT
- precise documentation and developement control
- Preparation of an individual risk profile
- Connection to digital camera and microDERM
- Printing function for risk profile and analysis images

### ultraSCAN UV elucidates and documents

UltraSCAN UV displays sun damages and documents skin aging without consumptive examination procedures in an objective and reproducible manner. Beside actinical keratosis and similar diseases others, such as lentigines, freckles, hyperpygmentation and wrinkles will be clearly displayed by ultraSCAN UV. As a preliminary stage for an ensuing PDD/PDT with photo sensitizer the ultraSCAN UV is particularly suited to elucidate the medical necessity of further medical treatment of a diagnosed indication.





UltraSCAN UV analyses skin exposures within a few seconds and displays sun damages and skin aging objectively and reproducibly. Via a complex image computation procedure ultraSCAN UV computes an image from an exposure taken at normal daylight which resembles one taken at UV light (Wood light).



## ultraSCAN UV modular

UltraSCAN UV can be integrated into existing **microDERM**® systems or can be operated as stand-alone software on Windows. UltraSCAN UV can scan images directly from the **microDERM**® software.The images are therefore available for further follow-up controls.

Due to an integrated tie-up of digital cameras via an USB port exposures can be directly read in by ultraSCAN UV through push button operation within a few seconds and without any delay.



## microDERM® ultraSCAN UV

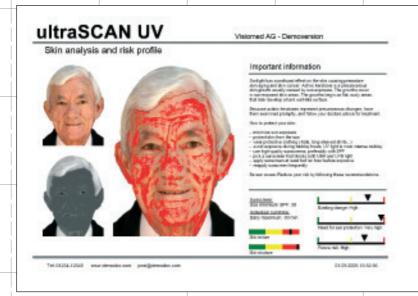
Visualization of sun damage and skin aging

## The perfect combination: ultraSCAN and PDT

UltraSCAN is especially suited as a preliminary stage for planned photodynamic diagnostics and therapy (PDD/PDT) with photo sensitizer shold a corresponding indication show a medical necessity of further treatment.

Skin surface parameters are automatically computed by ultraSCAN UV. The computed evaluations are numerically and graphically displayed. Thus ultraSCAN UV brings about an objective and reproducible estimation of skin aging and sun damages. In this way skin damages can be made clear and treatment possibilities can be shown to the patient.

UltraSCAN UV is an effective tool which can be integrated into the microDERM system as an optional additional module. UltraSCAN UV serves the visuallisation of skin damages evident at normal day light. These are above all keratosis derangements caused by radiation.



UltraSCAN UV makes skin damages visible and stores these data for subsequent developement controls. The computed displays and the individual risk profile can be printed out for the patient.

Secured quality: Designed and manufactured in accordance with the guidelines of ISO 9001/13485 and thegerman and european medicine product law (MPG).



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## **Advantages of ultraSCAN UV**

The often typical textures of aktinical/ solare keratosis, i.e. increased roughness, considerable contrast to the surrounding healthy skin a.s.o. will be further set off and displayed intensifiedly with the aid of expensive algorithms. This visual display represents an impotant tool for the communication with the patient in order to emphasize, for instance, the necessity of subsequent treatment measures. UltraSCAN UV is an effective preliminary stage for subsequent diagnostical procedures as there are photodynamic diagnistics (PDD) for an exact diagnosis and localization of the skin areas to be treated.

## ultraSCAN UV visualizes and analyses:

- degree of pigmentation
- skin roughness
- open/scabbed areas
- chapped/dry skin

also:

wrinkles, scar tissue, lentigines, ephelides, hyperpigmentation

### **Technical Specifications**

- connection to digital camera via USB
- integration into practice PC possible
- daylight exposue without UV light
- examination without photosensitizer
- printing support for color printer

