

Imaging Chain

Combined technology by the companies
Canfield Scientific and VivaScope



The world's highest-performing imaging system

Clinical documentation as total body mapping in 2D or 3D, dermoscopy and confocal laser scanning microscopy combine the technologies that provide the highest level of diagnostic information in a shared database. Modular, expandable network solutions can optimise and efficiently manage patient flow.



3D and 2D imaging

Discover Canfield's 2D and 3D imaging solutions for body imaging. IntelliStudio and DermaGraphix Body-Mapping software generate high-speed and reproducible full-body photography in 2D. The VECTRA® WB360 is a 3D imaging system specially designed for the field of dermatology that captures the entire skin surface in macro resolution with just one image.

Dermoscopy

Using digital dermatoscopy through the D200evo, abnormalities of the skin are magnified and subsequently analysed by the DermaGraphix Body-Mapping software and examined for suspicious changes. Digital storage of recorded pigment moles makes it possible to detect the smallest changes as early as possible during progress controls.

Confocal laser scanning microscopy

This technology enables a pain-free, non-invasive, real-time optical biopsy. Cellular imaging of the upper skin layers down to the superficial dermis enables improved diagnostics, especially for complex questions such as: LM vs LS, melanoma vs nevi vs SK, pink lesion as well as lesions with dermoscopic ambiguous criteria.

Ex Vivo imaging

The innovative VivaScope 2500 is specifically designed for the examination of excised tissue. H&E-like images can be produced within minutes and used for intraoperative assessment of tumour margins and real-time evaluation of biopsies. Telemedical applications reduce transport times and enable more efficient surgical procedures.

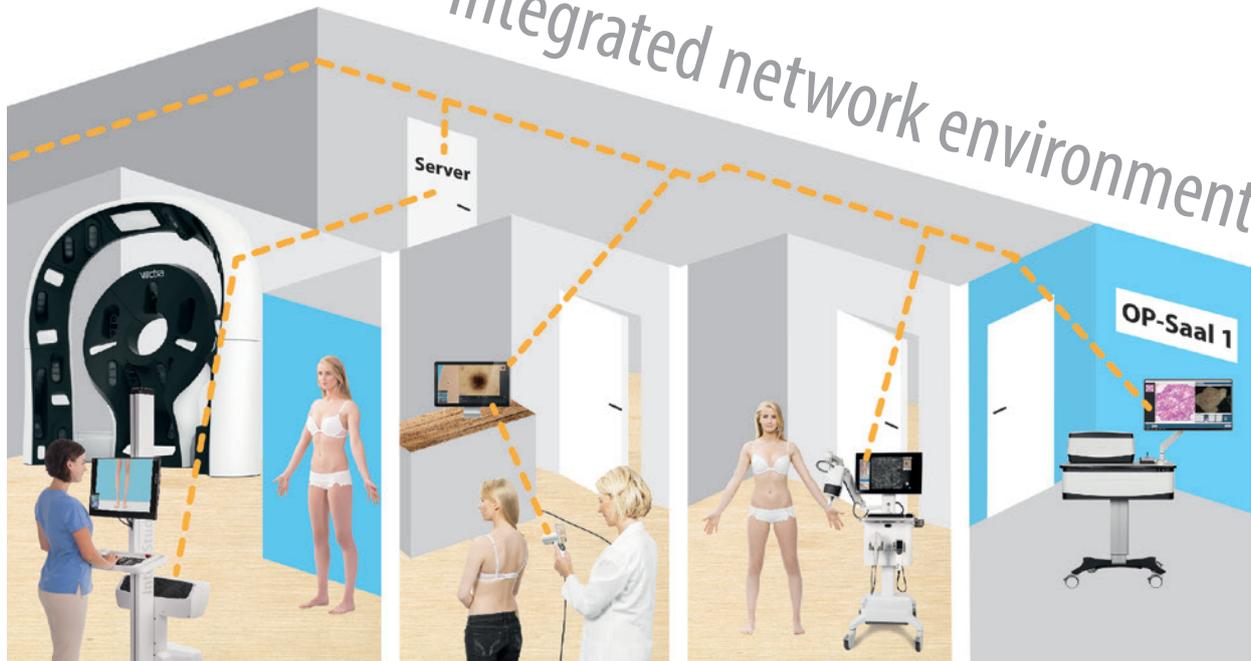
Step 1

Step 2

Step 3

Step 4

Integrated network environment



Full-body photography

The **VECTRA® WB360** captures the entire skin surface in 3D macro resolution with just one image. With the aid of **DermaGraphix**, you can map and document pigmented lesions and other skin diseases such as psoriasis and vitiligo.

Swift and reproducible full-body photography in 2D is generated by the **IntelliStudio®** and the **DermaGraphix Body-Mapping Software**.

The **IntelliStudio®** combines studio-quality lighting with intelligent automation. Reproducible face and body photography is available with non-polarised and cross-polarised lighting. The motorised and programmable lift ensures a constant height setting. Combined with Canfield's **MatchPose®** image capture and management tool, perfectly recorded before-and-after images are guaranteed. Also, the **IntelliStudio®** offers recently integrated video functions including LED illumination as well as recording, playback and zoom functions for video reflected light microscopy in full HD and real-time.

Reflected-light microscopy

D200evo - A high-resolution dermoscope that gives you quality, flexibility, and efficiency in one integrated handpiece. Featuring standard daylight and cross-polarised light modes, 15-200x magnification and HD image capture, the D200evo can support all your skin analysis requirements. It convinces with its user-friendly ergonomics and delivers high-resolution images in standardised quality for clinical, pre-, and postoperative documentation of your treatments. The advantages of our flexible, high-value solutions for your practice.

Your advantages in an overview:

- ✓ USB Hot-plug technology
- ✓ High flexibility through live view on the unique touch camera display
- ✓ High precision optics with a full-colour spectrum
- ✓ Brilliant reflected-light microscopy
- ✓ 15-200x magnification
- ✓ IN VIVO Diagnostik

IN VIVO Diagnostik

The **IN VIVO** VivaScope devices enable a non-invasive completely pain-free examination, an „optical biopsy“ of the skin. Based on the visualised cellular structures, a statement about benignity/malignancy can be made immediately.

The advantages of this technology: Imaging speed > 3x faster, integrated HD dermoscopy, telemedicine: „VivaTeach“ - an expert consultation and immediate guided learning.

As evidenced by over 1000 publications, VivaScope **IN VIVO** devices are now part of the daily routine of leading clinics and practices throughout Europe, as well as validation in the cosmetic and pharmaceutical industries.

Digital real-time pathology

The latest **EX VIVO** VivaScope 2500 enables „frozen sectioning“. An H&E-like image of freshly excised tissue is generated within a few minutes, enabling, for example, intra-operative evaluation of the incision margins. Via remote access, the pathologist can perform the histological examination in real-time, regardless of his location.