



# VIDEOCAP<sup>®</sup>

Medical Device and Specialized Software  
for Capillaroscopy



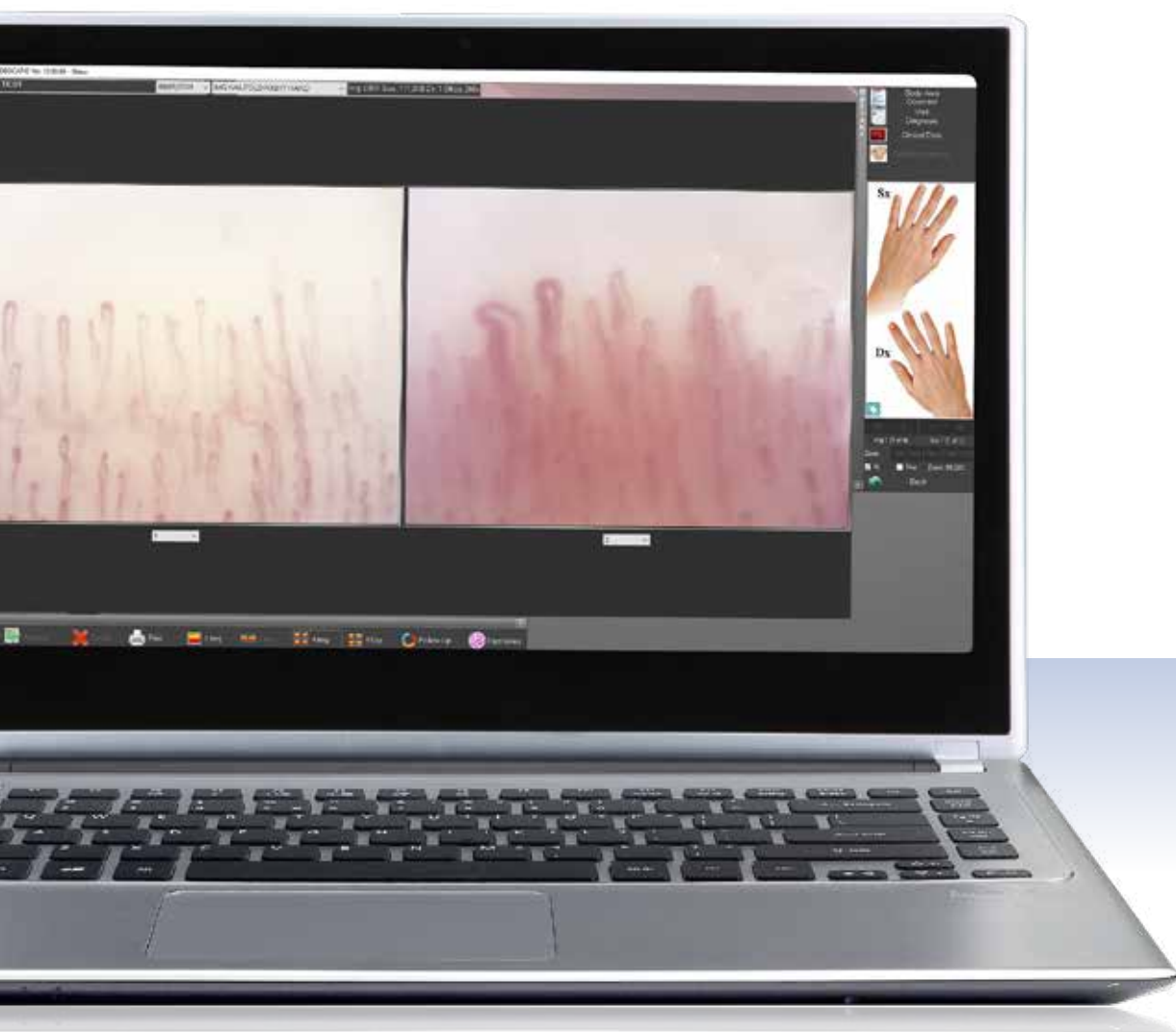
**VIDEOCAP** Since 1986  
the International Gold Standard  
in Capillaroscopic Diagnostics  
and Follow-up



**DSM:TECH**

# VIDEOCAP<sup>®</sup>

**The experience that makes  
the difference**



# VIDEOCAP®

The selected solution  
for the attentive and demanding professional



# DIAGNOSTIC IMAGING

as you've never experienced

- High resolution images
- Portability
- Practicality
- Easy to use



**VIDEOCAP® 4.0**, is an established brand that has worked hand-in-hand with DS Medigroup's accomplishments since 1994.

**VIDEOCAP® 4.0** is a leader in the field of rheumatology where it is installed in simple stand-alone stations or on complex networks with management of entire clinics, even if not geographically connected.

**VIDEOCAP® 4.0** offers versatility and portability in a single light-weight, small and extremely easy to use, configurable and reliable tool. **VIDEOCAP® 4.0** is completed with software, implemented in 32 bit Windows® to allow a rapid and functional approach to patient screening.

**VIDEOCAP® 4.0** is the most suitable professional solution for the Rheumatologist, the best support for the screening and the follow up of the microcirculation and guarantees the maximum technical performances, satisfying the most advanced clinical and research needs.



## VIDEOCAP® 4.0 - D1

Camera sensor:	1 / 2.5" CMOS
Lighting:	12 Led
Resolution:	2592 H 1944 V pixel FULL HD (5 Mpx)
PC Interface:	USB 3.0 or USB 3.1 High Speed. Backward compatible with USB 2.0
Video formats:	2592 x 1944 (5 MP) at 15 fps, 2000 x 1500 (3 MP) at 22 fps, 1920 x 1080 (Full HD) at 30 fps, 640 x 480 (binning) at 57 fps
Adjustable parameters:	Brightness, gamma, sharpness, contrast, glare reduction, and high dynamic range
Power supply:	The microscope receives its power from the computer's USB port. Max. 500 mA
Dimensions (with lens):	135 x 50 x 37 mm (W x H x D)
Weight:	210 g



# VIDEOCAP<sup>®</sup> Software

■ The introduction of video-imaging capillaroscopy has made this investigating technique irreplaceable in the diagnosis of many diseases, as it has allowed to quantify and standardize the colorimetric and morphological parameters.

Now on the market for more than ten years **VIDEOCAP<sup>®</sup> software**, implemented in 32 bit Windows<sup>®</sup>, has been designed to give the most demanding professionals a tool for differential diagnostics and evaluation of effectiveness in the follow up.

**VIDEOCAP<sup>®</sup>** is the only tool that is able to allow the development of both dermoscopic and capillaroscopic analysis thanks to the interchangeable lenses of different magnifications and to the possibility, inherent in the technology, of modifying the type of light (polarization and direct light by immersion). The **VIDEOCAP<sup>®</sup> software** manages both methods simultaneously. Its reliability and ease of use has made it an irreplaceable work tool.

## **Multidisciplinary**

Made for the transverse use in various disciplines (rheumatology, dermatology, dentistry, internal medicine, cardiology etc.).

## **High quality photographic image**

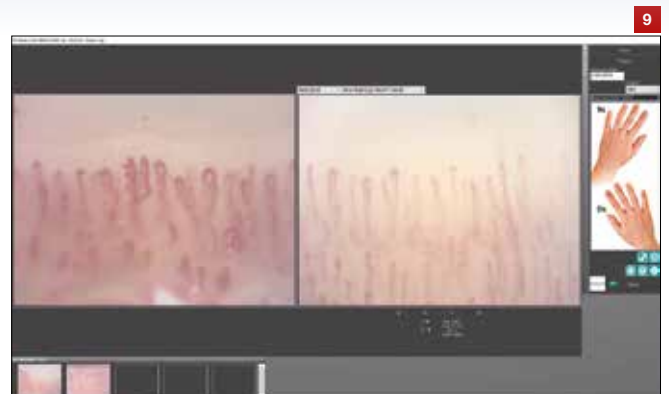
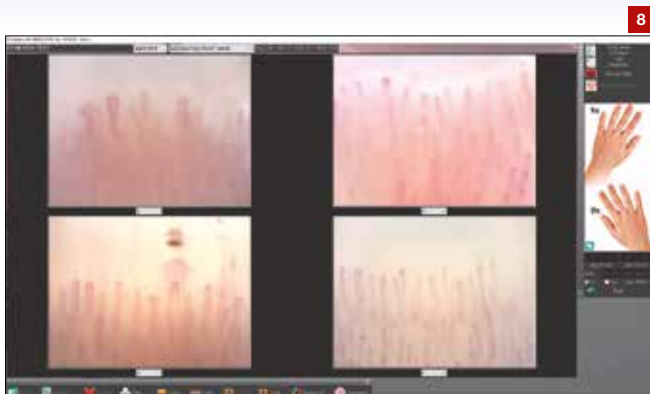
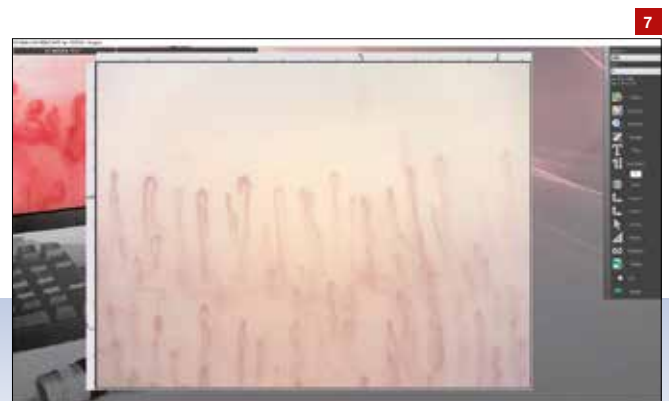
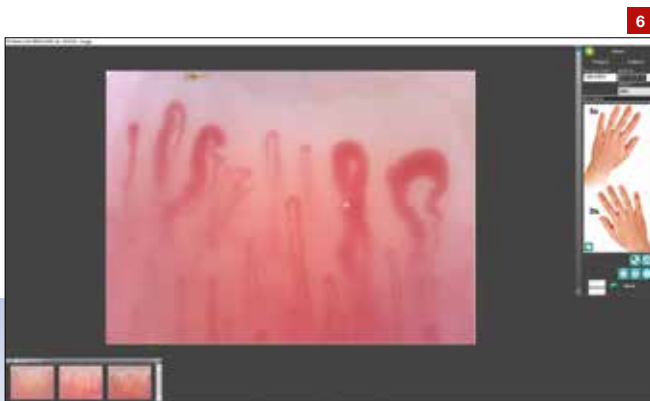
Use of image storage algorithms, in exportable proprietary format, in order to reduce the space occupied by every single image or movie at only about 100 Kb without altering the quality or resizing the original image.

## **Video recording**

The software is enabled for video recording on hard disk or VHS.

## **Loyalty in color reproduction**

High image quality in vision without alteration of colors.



# VIDEOCAP<sup>®</sup> Software

## Single computer installation

### Network installation

It has been designed for use on the web to meet the multidisciplinary needs of clinical structures in order to connect different diagnostic clinics, such as rheumatology, dermatology, radiology, histology, internal medicine, etc., also thanks to the possibility of using different video imaging devices used in specific specializations (camera, camcorders, histological microscopes, stereomicroscopes, ecotomographs, ultrasounds, videotermographs, etc.).

### Possibility to connect different image acquisition devices

Ability to manage different methods of Video Imaging allowing, in the single visit, to collect images and data arriving simultaneously from different instruments (videotermography, laser doppler, ultrasound, PO2 meters, etc.).

### Telemedicine

Prepared for the use of telemedicine which remains borne by the user.

## Some peculiarities of the software

- 1 → User access in secure and personal mode.
- 2 → Main functions: Subject Management, Research, Utilities.
- 3 → Visits Management. Possibility of recording new visits, examining those already present in the archive, processing the diagnosis and printing the visit report, comparing the images obtained during previous visits.
- 4 → The search section allows you to search the entire archive, using a system based on keywords. These can be grouped according to their category (sex, diagnosis, mapping, histological diagnosis, clinical and capillaroscopic patterns, etc.).
- 5 → Utilities. Possibility of personalization by the user of the areas of the body, the various diagnoses, the access account and all that is related to the configuration of use.
- 6 → Possibility of acquisition by positioning the probe on the area to be examined and focusing on the image. The "in vivo" images will appear on the screen.
- 7 → Use of the most sophisticated measurement tools and image analysis.
- 8 → Possibility of comparing the images of a patient obtained during different visits, belonging to different fingers or obtained from other sources (databases, CD-ROM, historical archive created by the user).
- 9 → Possibility of a precise and correct follow up.
- 10 → Possibility of a correct and complete reporting according to national and international guidelines. Possibility to print different types of reports; reports of 1, 2 and 4 images of the same lesion or follow-up of a specific lesion. All reports are customizable based on the need of the user.



# AUTOCAPI®

## Automated Nailfold Capillary Counting System

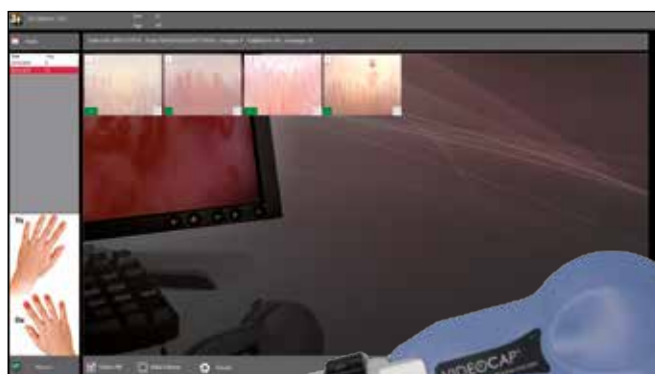
One of the basic requirements for the diagnosis of diseases and the verification of the effectiveness of the treatments implemented, is capillary density. Until now this verification was not objective but operator-dependent.

### Finally the real revolution in videocapillaroscopy

The VIDEOCAP software is **the first software to automatically count capillaries** which allows an objectification of the result: it's the computer to count the capillaries and no longer the operator. This optional function is very important in the field of studies and research because it allows to standardize the results obtained.

Moreover it allows to have a confirmation on mathematical calculations and standardized algorithms and not on the subjective interpretation of the image.

This function is fundamental for the verification of the effectiveness of the therapy implemented as it gives an effective quantification of the capillaries present, with an objective result.



### OTHER FIELDS OF APPLICATION



- Angiology
- Dermatology
- Dentistry
- Phlebology
- Vascular surgery
- Hypertension



# DSM:TECH

a company of **DS MEDIGROUP srl**

Viale Andrea Doria, 35 – 20124 Milano (Italy)  
Phone +39 02 281721 – eMail: info@dsmg.it

Office: Viale Regina Margherita 302 – 00198 Roma (Italy)

[www.dsmg.it](http://www.dsmg.it)  
[www.dsmtech.it](http://www.dsmtech.it)

CE

