

 **MicroCAMERA<sup>®</sup> HD**

**MC-2500**



Skin and hair have no more secrets  
with MicroCAMERA<sup>®</sup> HD PRO.



MicroCAMERA<sup>®</sup> HD PRO is an instrument for skin, hair and scalp analysis, designed to develop the service of the dermo-cosmetic department.



## An aid for the dermocosmetic sell out:

MicroCAMERA® HD PRO is the most advanced magnification system of skin, scalp and hair that provides an exclusive service and keep a client's business in the dermocosmetic department.

The videodermatoscope permits to observe clearly small particulars of skin, hair and scalp allowing the measurement of parameters and the observation of the imperfections. The multi-optics system is simple to use, thanks to the fast and convenient way of insertion.

In few seconds it is possible to define, with scientific methods: [hydration](#), [sebum](#), [elasticity](#), [depth of wrinkles](#), [phototype](#), [hair density](#), [hair caliber](#).

MicroCAMERA® HD PRO is a valuable diagnostic aid, to perform a check-up in one simple click.

With its modern and clean lines, it fits everywhere!



### New interactive graphics

Summary screen of the function installed.  
Interface with video indication of the memory status (temporary and permanent).  
Signaling any malfunction or failure of use.

### New chassis

LCD Panel - 15,6" HD.  
Bigger LCD screen.  
Entirely made up of anodized aluminium.  
Optimized connection probe cable for easy and safe insertion.

### New optics

All optics have been re-engineered and improved.



From the experience gained on the previous models, combined with a further improvement, it comes the new **MicroCAMERA® HD PRO.**

# The MicroCAMERA® HD PRO Opticals

MicroCAMERA® HD PRO system offers the possibility to choose between different interchangeable lenses, each one characterized by a particular magnification.

Simple to use, they do not require any focus regulation; once the lens is inserted, just lay it on the skin of the subject and observe the result on the monitor.

There are 3 types of light sources:

- Cold light
- Wood light
- Measuring devices

The opticals are extremely easy to use and they don't require any type of regulation. The focus is fixed automatically once the lens is inserted into the probe.

MicroCAMERA® HD PRO comprehend also the following functions: freeze-frame, grid, slide show, pictures memory.

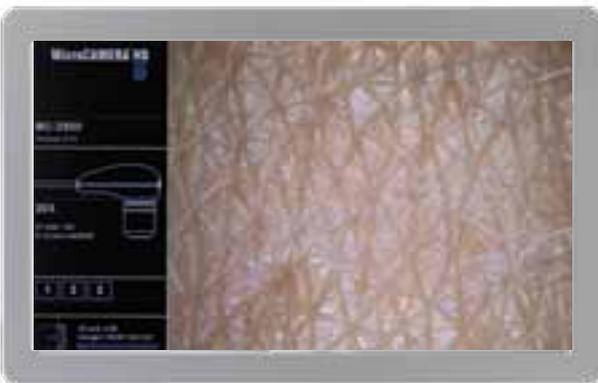
## Characteristics of the new Opticals MicroCAMERA® HD PRO

- New hydration sensor and possibility to make multiple measurements and automatic determination of the average measured.
- New elasticity sensor with direct display on the screen of the measurement.
- New measurement phototype sensor with automatic indication of the SPF (Sun protection factor) and the type of the phototype (body and face).
- Wrinkle measurement sensor more precise.
- Automatic recognition of the opticals.
- With the inclusion of the optic, the system recognizes the lens and adjusts itself automatically to the desired measurement.
- "Best Shot" function: this function, fully automated, prevents the possibility of an unclear freeze-frame. The device selects the sharpest picture and transfers it on the screen.
- Auto Contrast Balance. Any adjustments of contrast and brightness of the image are optimized by the system.



### Optical Panoramic (1X) - OT- 4000

The optical panoramic is a manual focus optical in which the operator has to adjust the focus of the lens by hand. It can be used to take pictures and to visualize alopecia areas.



### Optical 20X - OT- 4020

Visualized Area: 14x10,5 mm (1,47 cmq).

The optical 20x cold light is equipped with a cold light illuminator that shows perfectly the skin texture.



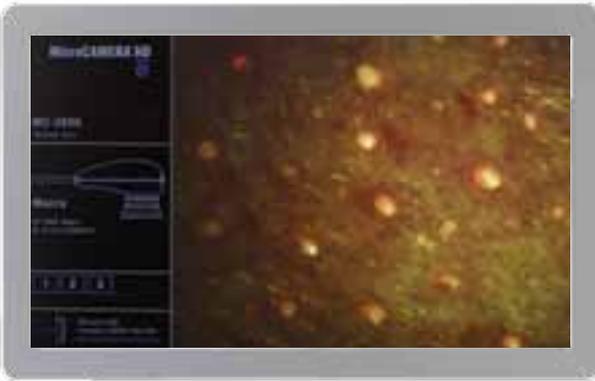
### Optical 50X - OT- 4050

Visualized area: 5,6x4,2 mm (22,4 mmq)

The optical 50x cold light is equipped with a cold light illuminator.

It is essential to know the skin-type (normal, oily, combined, dry and sensitive skin) and to identify some skin anomalies (black heads, white heads, spots, pimples, chaps, rubefaction...).

The particular magnification allows also the vision of small areas of the scalp, providing information about the density of the hair follicles and their distribution.



### Optical 50X – Fluorescence - OT- 4051

Visualized area: 5,6x4,2 mm (22,4 mmq)

The optical is equipped with a fluorescence illumination light source. It is necessary to distinguish between seborrheic and not seborrheic skin. It also shows the state of sebum oxidation.

This particular optical can be used either in trichology or in dermocosmesis.



### Optical 200X - OT- 4200

Visualized area: 1,4x1,0 mm (1,47 mmq)

The optical 200X cold light is equipped with a cold light illuminator. It is used to detect scalp anomalies (seborrhoea, dryness, dandruff, scalp sensitivity, seborrheic dermatitis, psoriasis, pediculosis...) and hair problems (hair shaft damaged, split ends...).

With this optical it is often possible to recognize the capillaries and their distribution on the scalp.



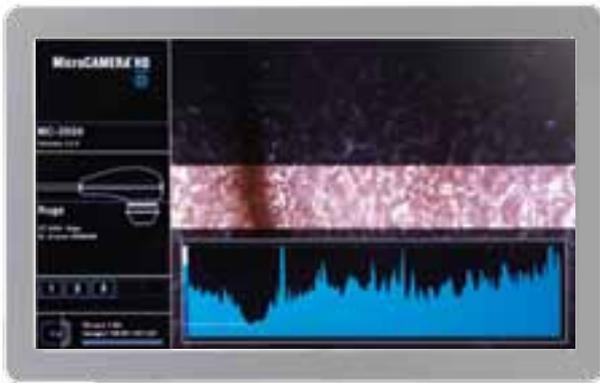
### Optical 400X OT- 4400

Visualized area: 0,7x0,525mm (0,37 mmq)

The optical 400x cold light is equipped with a cold light illuminator.

It is used to assess the hair problems. The hair shaft and hair bulb can be examined using special plastic supports called TricoPLAST. It also allows you to make accurate analysis of individual follicles.





### Wrinkle Measuring Device OT- 4520

The wrinkle depth measuring device allows to measure the size of the wrinkles. The wrinkle size is measured with a skin surface profilometric method. It is a simple and effective method for measuring wrinkles depth.



### Skin Hydration Measuring Device OT- 4540

This sensor allows to determine the degree of hydration of the skin in a simple and rapid way. The measurement refers to the water content of the corneum stratum of the skin and it is expressed in percentage. It stores the number of the measurements made and determines automatically the average percentage of hydration.



### Skin Elasticity Measuring Device OT- 4550

The skin elasticity measuring device includes a chamber to be positioned adjacent to the skin. The measure is based on a principle of suction that performs continuous monitoring of the parameters during the measurement by expressing them in a graph.



### Sebum Measuring Device – OT-4510

The sebum measuring device is the most widely acknowledged and successful device for measuring surface lipids concentration. The sebum production is measured using quantitative gravimetric analysis. The measurement with this optical allows the determination of even slightest changes on the skin surface sebum content.



### Phototype Measuring Device - OT-4530

This function allows you to measure the color of the skin of the subject in order to define properly the skin type. By integrating the resulting fit with a quick interview on the needs and habits of the customer, we can provide tips on precautions and on behaviors to be taken. The protection factor SPF is provided automatically by the system and can be differentiated depending on the viewing area (body, face..).



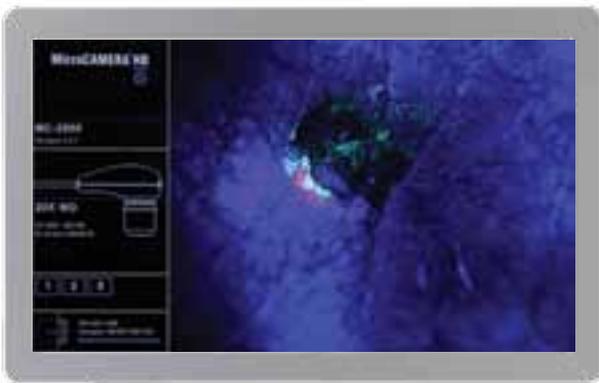
### Hair Density Measuring Device OT- 4560

The hair density measuring device allows to determinate the number of hairs. The hair density and thickness are measured using the phototricogram technique. This device is used to determinate the number of hairs and the hair density per square centimetre.



### Hair Caliber Measuring Device OT- 4570

The hair caliber measuring device measures the diameter of a hair strand to distinguish if the hair is fine, medium or coarse. Fine hair has a diameter of 50 microns, medium hair has a diameter between 60-90 microns and coarse hair has a diameter of 100 microns and above. Also short hair can be measured directly on the scalp.

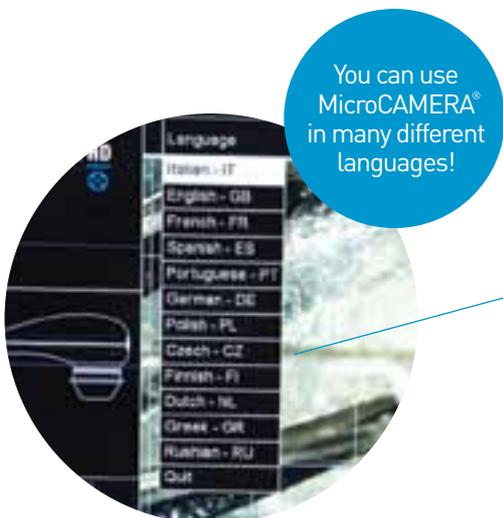


### Optical 20X - Wood light OT- 4020

Visualized area: 14x10,5 mm (1,47 cmq).

The optical 20x wood light is equipped with a wood light illuminator.

It is used to help analyse skin conditions such as blemishes that are barely visible or to recognize some mycosis fungoides.



# Material and services for the sale support

For a correct use of MicroCAMERA® HD PRO, Dermotricos trains customers with free courses and offers an efficient assistance service.

It also supports clients with training on scientific/technical topics and provides marketing and promotional materials to leave in your point of sale to facilitate and complete the service of MicroCAMERA® HD PRO (invitations, decals, posters).

MicroCAMERA®HD PRO enhances the professionalism of the operators through the visual communication, increasing the proceeds on the sale of cosmetic products.



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**DERMOTRICOS**  
**ENGINEERING ITALIA**

Enlightened solutions

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