

# **VISUCAM<sup>PRO NM</sup>**

**The non-mydrriatic solution  
for fundus imaging.**



# Simplifying Photography.

The VISUCAM<sup>PRO NM</sup> increases the quality and simplicity of fundus imaging. This compact device features a unique combination of functions, enhances fundus visualization and documentation, and sets the standard in ophthalmic photography. The VISUCAM<sup>PRO NM</sup> provides leading edge performance enabled by the following benefits:

## Optical brilliance

Legendary ZEISS optics and the integrated digital image sensor with 5.0 megapixels.

## Work in total comfort

Focusing and positioning aids, software guidance, intuitive operation and real-time display on a flat screen monitor.

## Auto flash mode

Every image is correctly illuminated, regardless of the pupil size and retina type.

## Small pupil capabilities

Non-mydratic image capture of fundus imaging through the smallest pupil size in the industry.

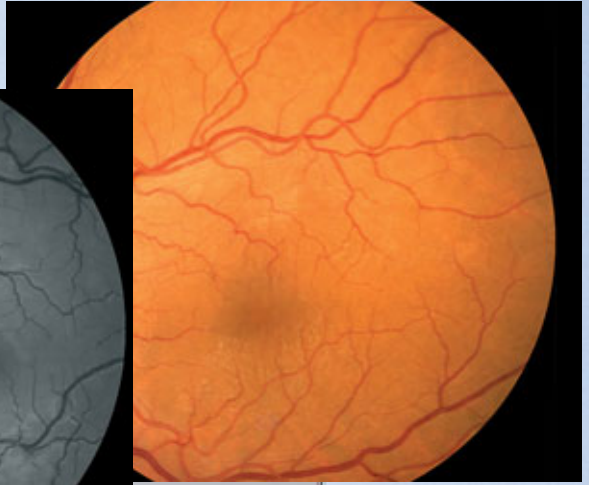
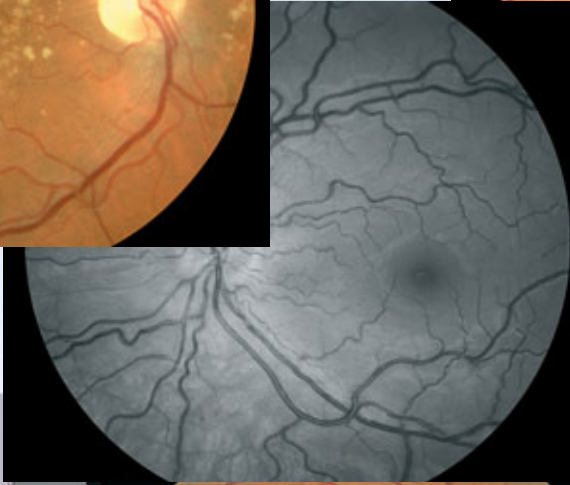
## All-in-one approach

High quality ZEISS fundus imaging in a compact system:

- Highly corrected ZEISS optics with an advanced professional grade digital sensor
- Integrated computer and database, including multiple options for image comparison and review
- Quick image transfer via network, USB stick or DVD.







# Image is everything.

## **ZEISS optics**

The demonstrated quality of ZEISS optics assures that your images will give you the sharpest detail.

## **5.0 megapixel images**

The pixel count and optimized signal processing enable outstanding quality in image documentation.

## **45° and 30° images**

The system features the ophthalmoscope principle incorporated in modern fundus cameras and the two field angles 45° and 30°.

## **Different capture modes**

Green, red and blue images are all possible either as separate photos or as a subsequent RGB layer of a color photo.

## **Stereo image mode**

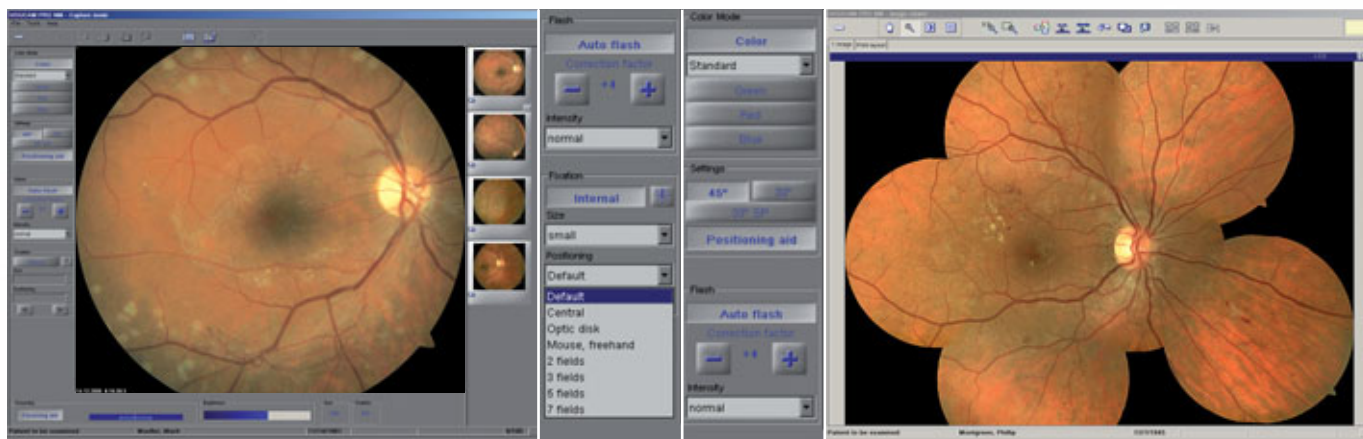
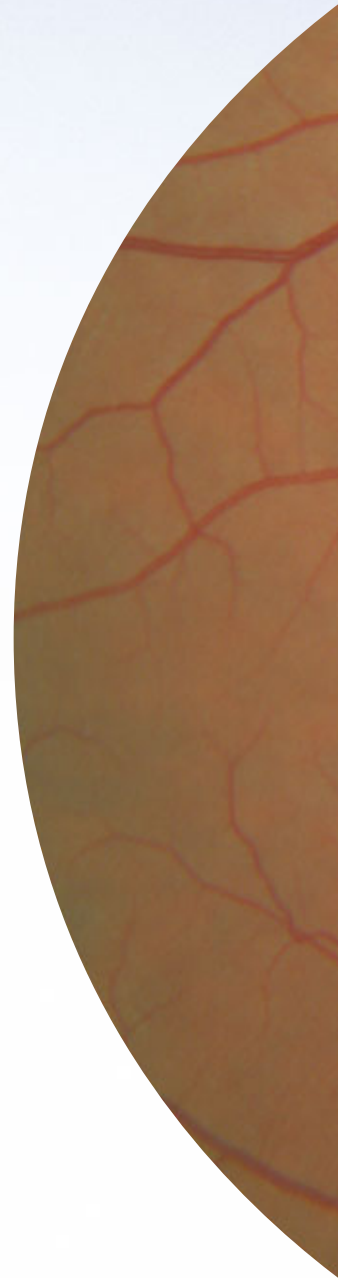
The stereo mode features easy capture and operation.

## **Fixation mode**

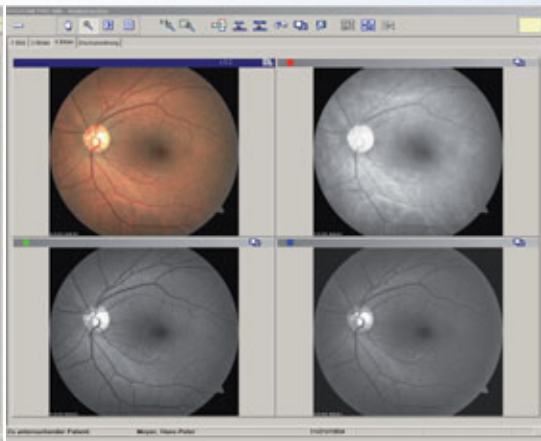
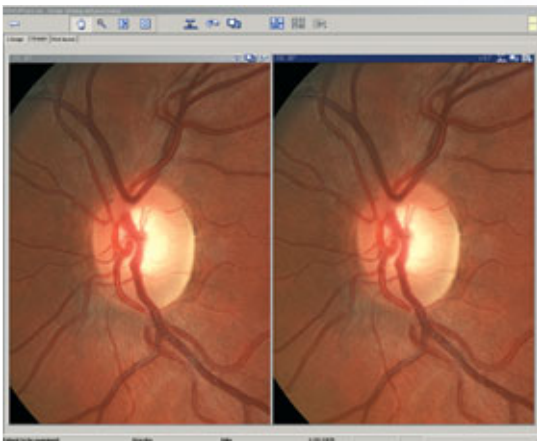
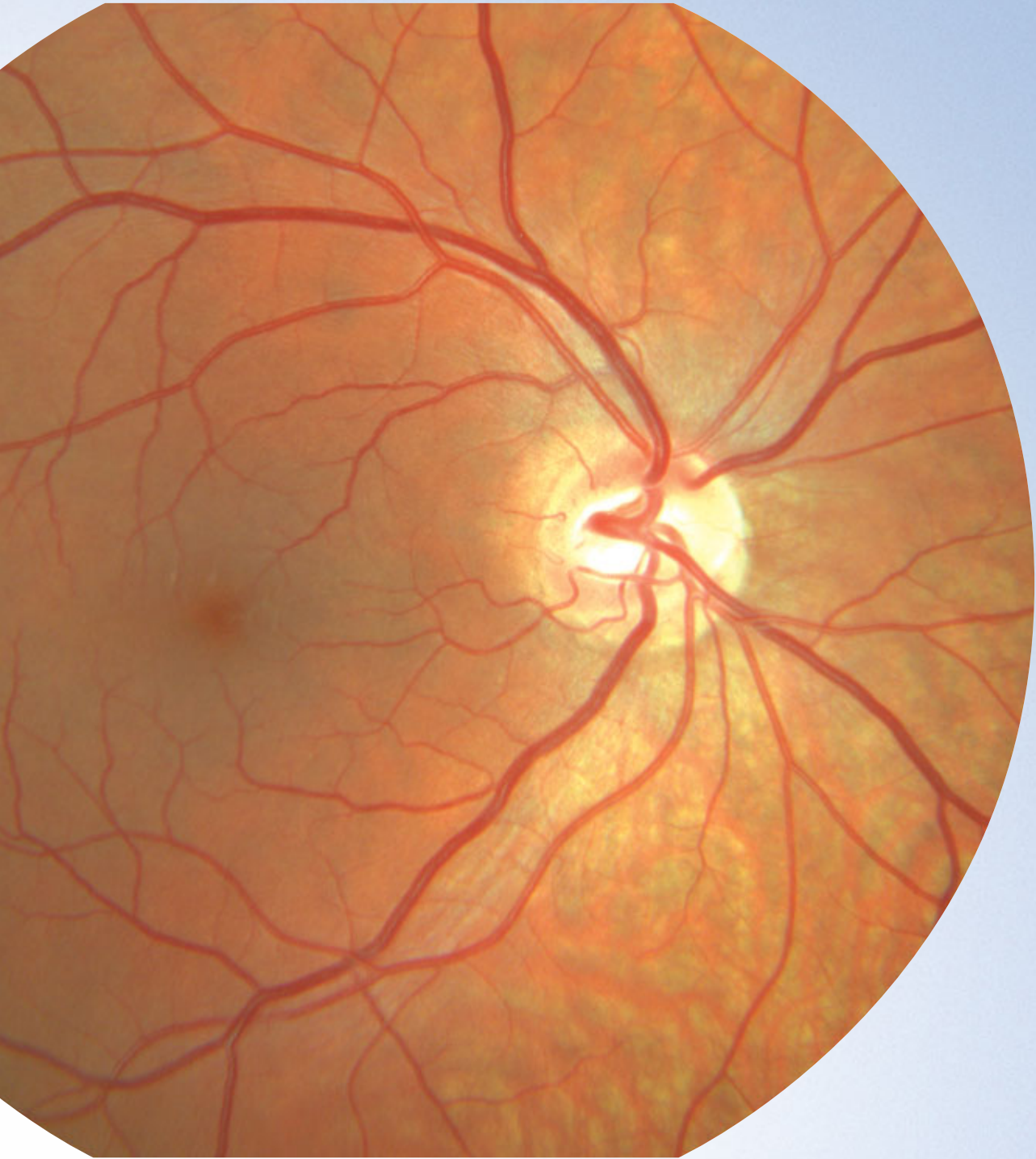
A single click suffices to switch between external and internal fixation. The internal targets are either freely positionable in different sizes or they follow programmed sequences.

## **Zeiss Automap**

Clearly structured montages are automatically produced of peripheral photos.







# Optimized practice efficiency.

## Everything is integrated

The VISUCAM<sup>PRO NM</sup> offers a full performance spectrum - from image capture to image documentation - in a single, state-of-the-art system featuring all hardware and software required.

## Everything is simple

Easy operation ensures a smooth, rapid workflow for the user. The system's many excellent benefits include:

- Customized software settings
- Positioning aid with working distance dots
- Focusing aid with paired coincidence lines
- Panorama mode for automatic image montages

## Everything is visible

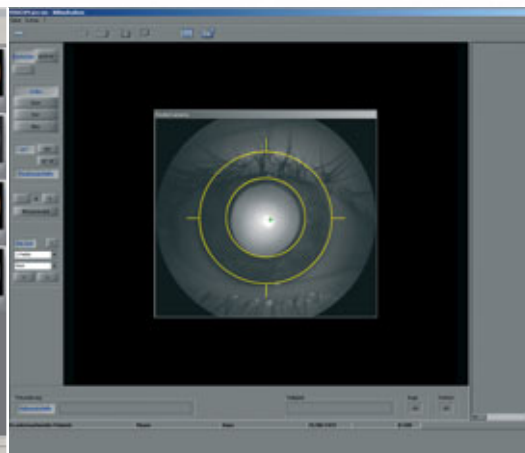
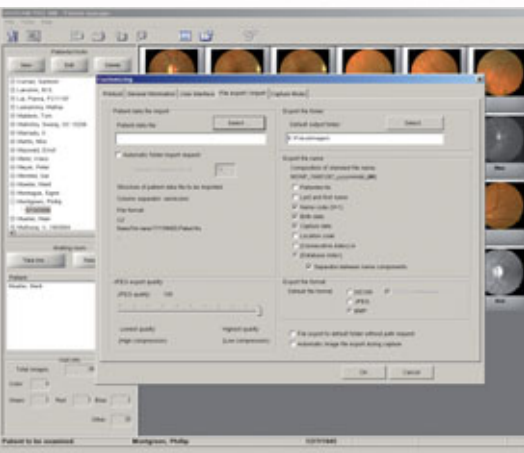
Visual overview and assessment are possible at all times in every phase of the examination - thanks to the 17" flat screen monitor. The path from the live focusing image to the digital document is short. When the image is captured, it immediately appears on the monitor and is automatically stored.

## Everything is possible

With its excellent image quality, VISUCAM<sup>PRO NM</sup> also makes the perfect solution for studies. The 7 field mode, the 30° field angle and 3D images are integrated for this purpose.

## Everything is reliable

Software manages image display, editing, printing and data export. Password-protected user management prevents unauthorized access to images and patient data. VISUPAC performs archiving in networks, while DVDs/CDs or USB sticks are more suitable for simple export.





# Technical Data.

## Image capture

Field angle	45° and 30°
Compensation of ametropia	+35 D ... -35 D, continuous
Filters	UV and IR barrier filter

Pupil diameter	≥ 4.0 mm ≥ 3.3 mm ( 30°, SP mode)
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Working distance	40 mm
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Capture sensor	CCD 5.0 megapixels
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Monitor	17" flat screen (1280 x 1024 pixels)
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Fixation	external internal	Optional Programmed sequences or freely positionable, size selectable
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Attention mode	Fixation target, magnified and blinking
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Flash for image capture	Xenon flash lamp, 16 steps
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Database	Patient information and images with field angle, R/L, date of visit
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## Computer

Operating system	Windows XP professional
Hard drive	Up to 60,000 images storable
Interfaces	USB ports, Ethernet, VGA port
Export	Image formats dcm, bmp, jpeg, patient list
Internal DVD burner	UDF format (DVD, CD)

<b>Dimensions</b> l/b/h	mm (in.)
Basic system	480 x 410 x 670 (18.9 x 16.1 x 26.4)
Monitor	400 x 400 x 100 (15.7 x 15.7 x 3.9)
Weight of basic system	30.0 kg (66.15 lbs)

Rated voltage	100 - 240 V ±10 % (self-adjusting)
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Frequency	50/60 HZ
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Power consumption	400 VA
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Instrument table	Asymmetric
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Accessories /add-ons	External fixation device USB printer USB stick 1 GB VISUPAC archiving and image analysis system Network insulator
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