Easy image capture

Smart auto functions allow fast and confident
capture even by untrained users:
• Precise positioning with working distance dots
• Small pupil mode – as small as 3.3 mm
• AutoFocus
• AutoFlash for optimal image exposure

Convenient image review

Intelligent functions designed with clinical efficiency
in mind, allow immediate visualization of results
• Images are displayed in real time
• Drag&drop functionality for simple preparation
  of printouts
• Quick magnifying in thumbnail view

Fast image transfer

Network connector, USB stick or DVD/CD writer
allow an efficient image exchange. For comprehen-
sive image and report management, VISUCAM 200
can also easily be combined with the FORUM data
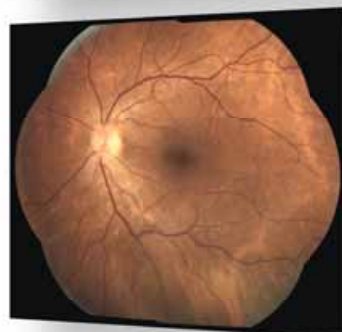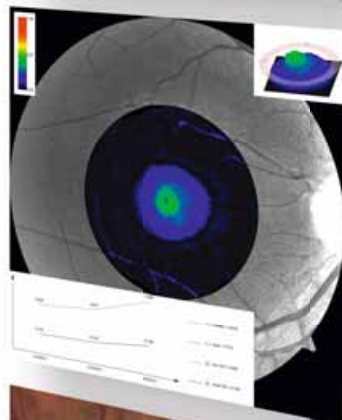management solution from ZEISS.

Brilliant 14-bit color images
Capture green, red and blue
images as separate photos or
as a subsequent RGB layer of a
color photo, thereby reducing the
number of exposures.

Red-free fundus images
Offering enhanced visualization
of vascular structures.

Multi image montage
The AutoMap function allows
fast creation of wide-field
overviews of the retina. Present
internal fixation targets assist in
panorama image capture.

Macular pigment density
Innovative image analysis allows
the reproducible determination
of macular pigment density.

Easy 3D imaging
The stereo capture module lets
you conveniently acquire and
handle stereo pairs.

Technical Data

VISUCAM 200	
Fundus camera system	
Field angle	45° and 30°
Capture modes	Color, red-free, blue, red and anterior segment Optional: MPD, stereo
Filters	optical filters for green, blue and MPD images UV/IR barrier filters
Capture sequence	1.5 to 2 seconds (depends on flash energy)
Compensation for Ametropia	+35 D … −35 D, continuous
Pupil diameter	≥ 4.0 mm ≥ 3.3 mm (30° small pupil mode)
Working distance	40 mm (patient's eye – front lens)
Capture sensor	CCD 5.0 mega pixels
Monitor	19" TFT (1280 x 1024), optional 24" TFT (1920 x 1200)
Fixation targets	External and internal Attention mode for internal fixation target (magnified and blinking cross) Various programmed sequences or freely positionable
Flash energy	Xenon flash lamp, 16 flash levels (max 30 Ws)
Database	Patient information and images with field angle, R/L recognition and date of visit are stored
Computer	
Operating system	Windows XP Professional
Hard drive	min 320 GB (storage of over 150,000 images on local hard drive possible)
RAM	1 GB
Interfaces	USB ports and network connectors, DVI port
Export/import	Supported image formats: DICOM-OP, DICOM-VL, DICOM-MWL, BMP, TIFF, JPEG
Internal DVD burner	UDF format (DVD, CD)
Instrument table	Asymmetric, suitable for wheelchair
Accessories	USB printer, USB memory stick, sliding keyboard shelf for instrument table FORUM / VISUPAC archiving and image analysis system, Network isolator
Dimensions	
Basic device	410 x 480 x 650 mm (W 16.14 x D 18.90 x H 25.59 inches)
Monitor	405 x 65 x 335 mm (depends on model) (W 15.95 x D 2.56 x H 13.19 inches)
Weight Basic device	30 kg (66.1 lbs)
Rated voltage	100 … 240 V ±10% (self-adjusting)
Frequency	50 / 60 Hz
Power consumption	400 VA

Not for sale in the US.

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VISUCAM 200

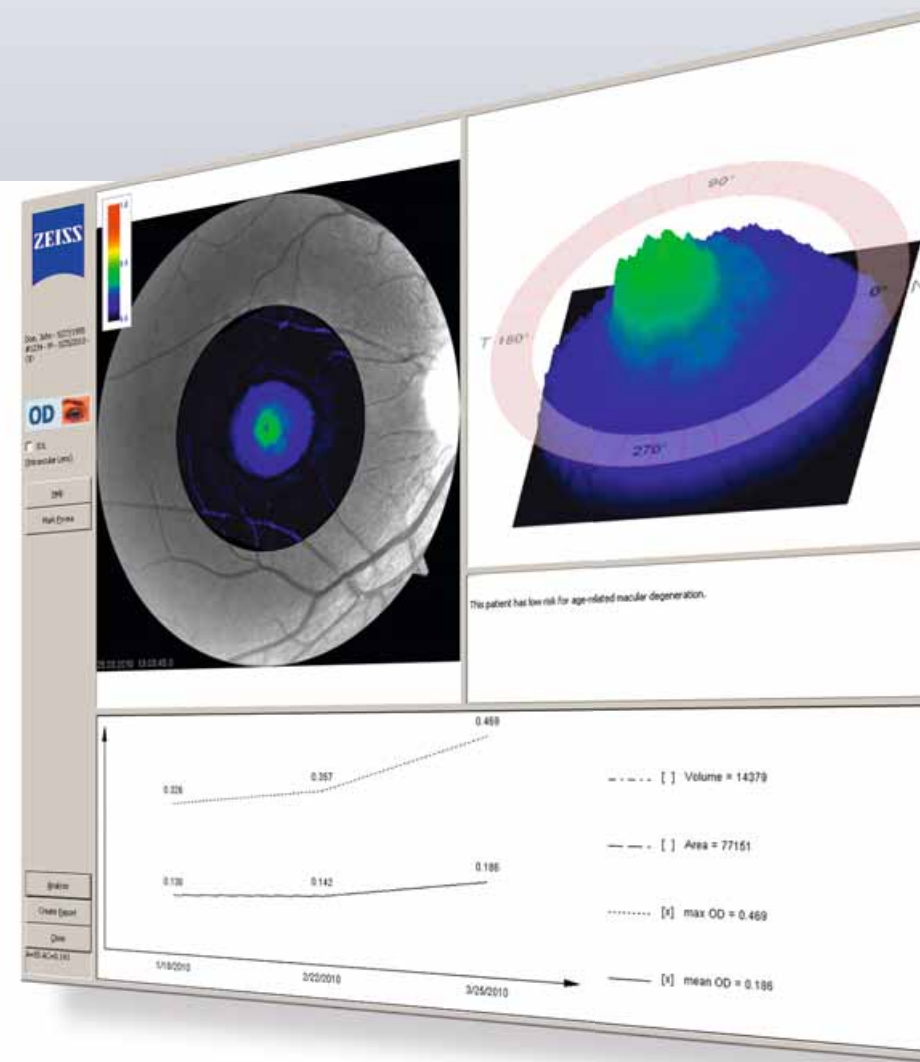## Capture with confidence

VISUCAM 200

All you need for Screening.

Integration pays off: VISUCAM 200 not only incorporates all of the fundus capture modes used for basic retina check-up: it also features a database and imaging software, offering multiple options for image comparison and review in a single and intuitive system – allowing you to perform faster procedures on more patients.

A new dimension in AMD risk assessment

The innovative Macular Pigment Density module determines the status of macular pigment in an easy, quick and reproducible way.

"With the Carl Zeiss Meditec VISUCAM 200 we ophthalmologists finally have an instrument for easy and reproducible macular pigment density determination. The single measurement and progress documentation capabilities will expand our understanding of the macular pigment epithelium, enabling us to recognize changes at an early stage and verify the effectiveness of therapeutic measures. "
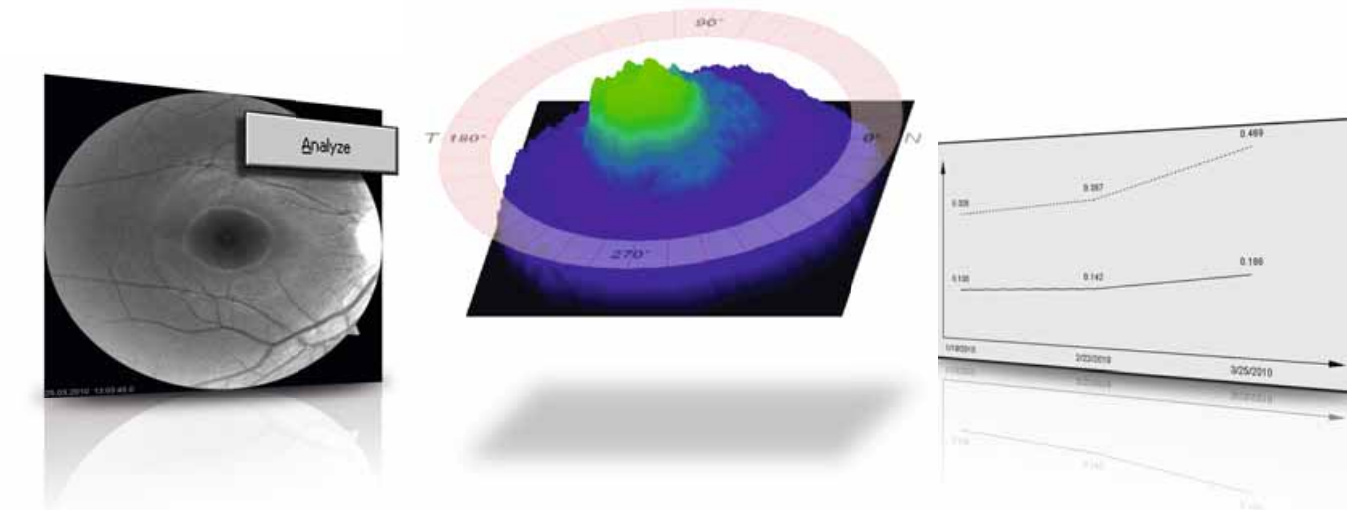
Josef Weindler, M.D. P.D., Esslingen, Germany

"In an ever aging population the new macula pigment density tool within the VISUCAM 200 by Carl Zeiss Meditec will prove very useful for educating patients on healthy living. "

Cliff Williams FBDO, Dispensing Optician & Independent Practice Owner, Kirkcaldy, Scotland, UK

Efficiently tracking macular pigment density

As clinical publications have indicated, low macular pigment density is a risk factor for age-related macular degeneration. In addition to a patient's medical history, this measurement can provide valuable information for a nutritional diet, thereby minimizing the risk of loosing visual sensitivity with increasing age.

Fast MPD assessment
Benefit from a fully automatic measurement procedure that enables user independent macular pigment density assessment in a few seconds.

Visual patient education
Images are immediately displayed on the flat screen monitor to facilitate patient education on macular pigment density. The 3D image can be used to emphasize the importance of a healthy nutritional diet.

Valuable long-term control
Concise review functions allow long-term monitoring of the macular pigment density. Creating and printing take-along PDF reports for patients couldn't be easier.