VISUCAM 500

Have it all

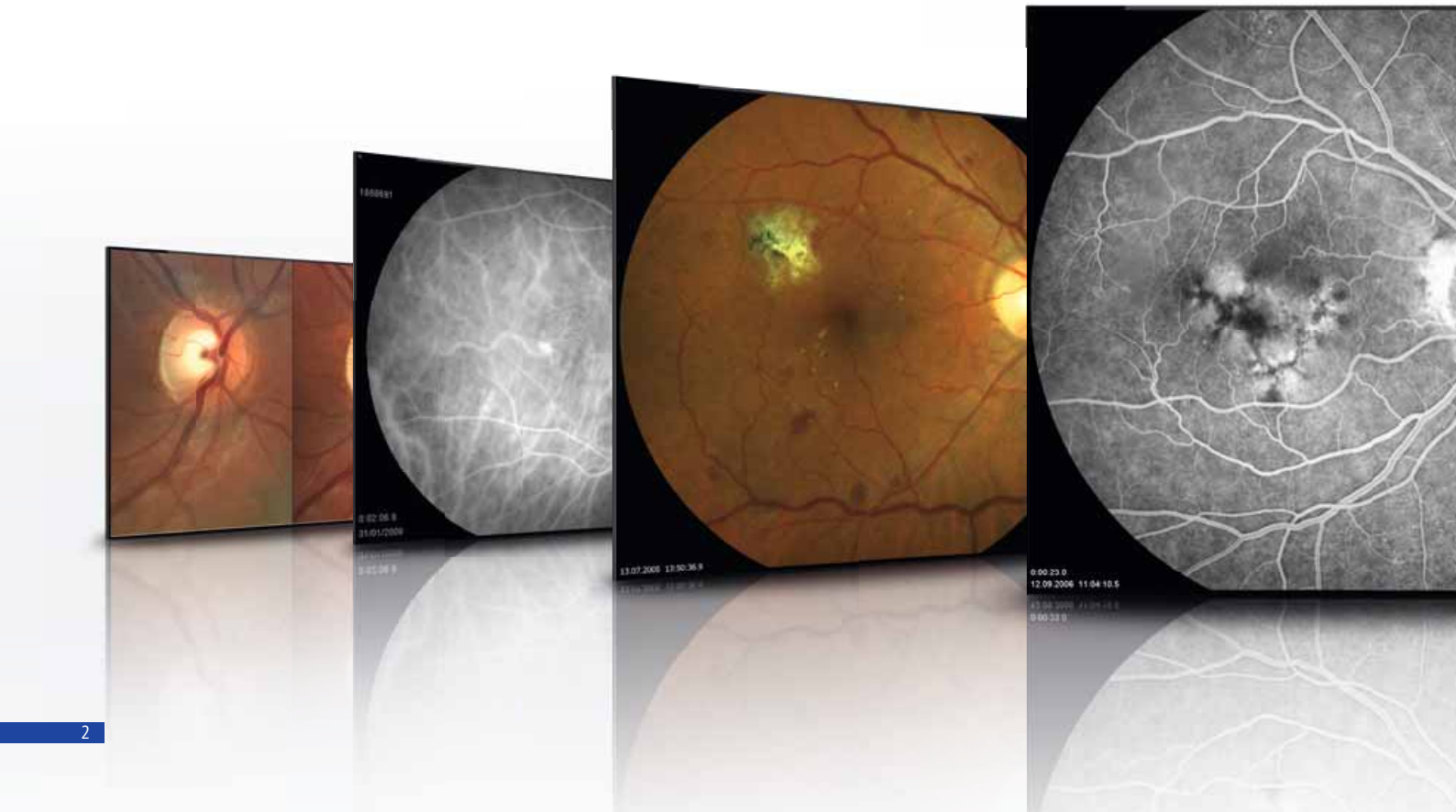
ZEISS

VISUCAM 500

As versatile as your patients

Superior patient comfort, more efficient workflow and improved eye care: The advantages of the all-in-one fundus platform VISUCAM 500 from ZEISS are obvious. The high-quality system provides everything you need for detailed diagnoses of typical eye diseases like diabetic retinopathy, glaucoma and AMD in a single workplace.

Advanced features such as fundus autofluorescence, easy stereo image handling and innovative assessment of macular pigment density are combined with intelligent auto functions that enable reproducible and intuitive imaging for every single patient eye.



VISUCAM
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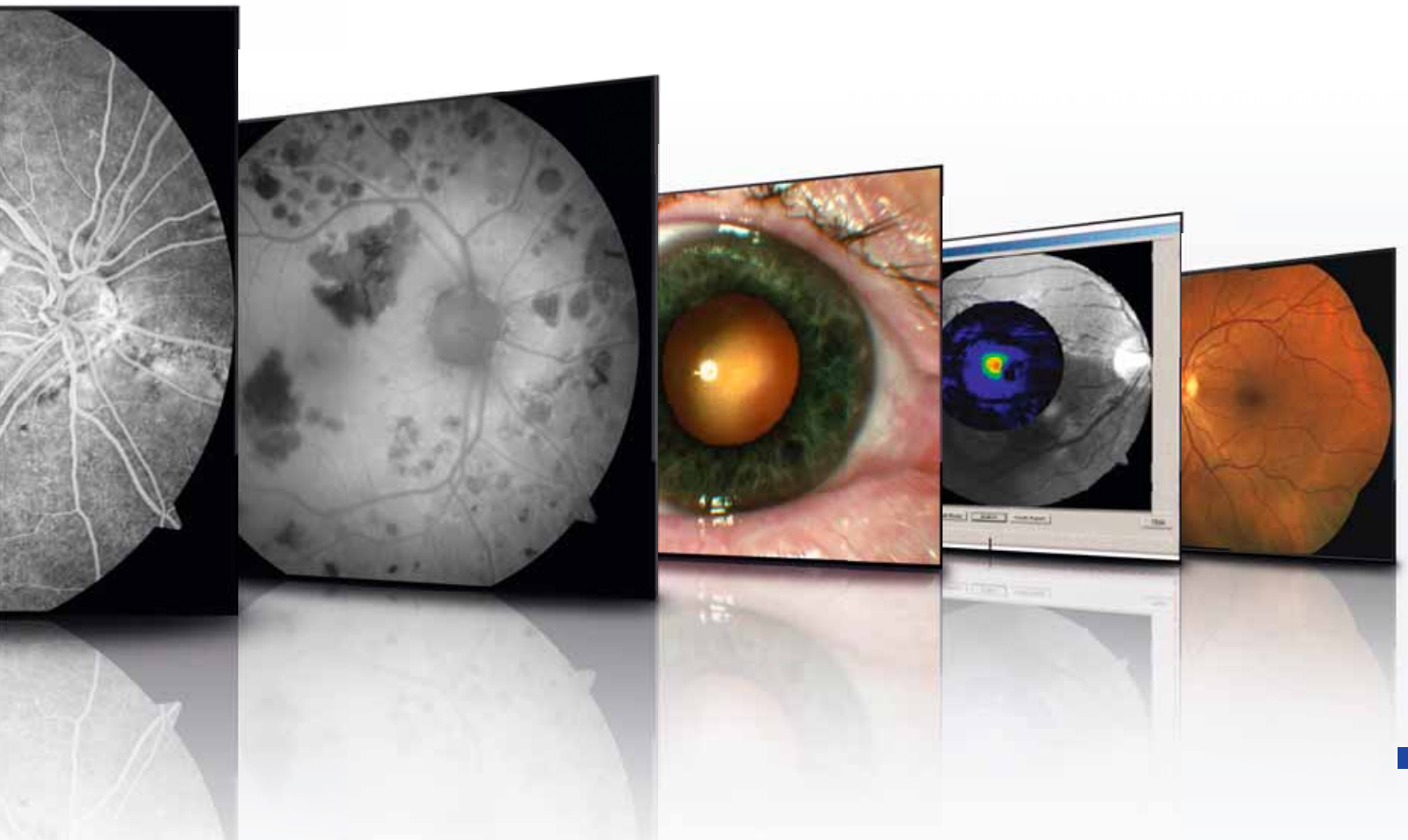
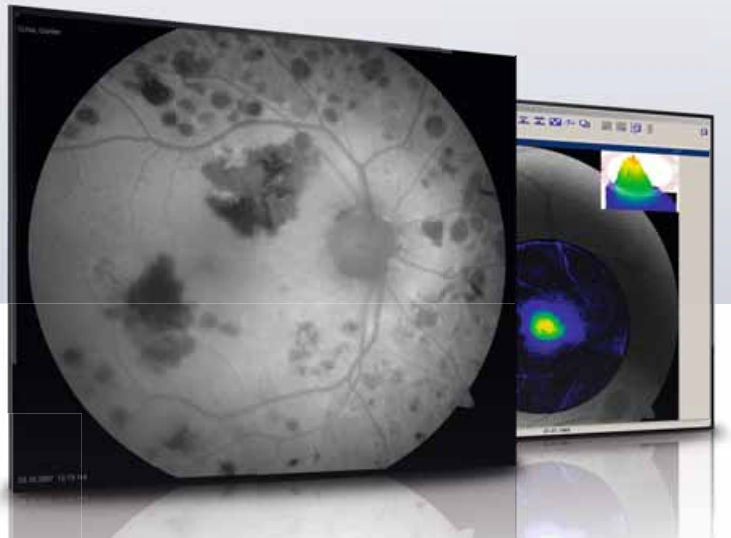
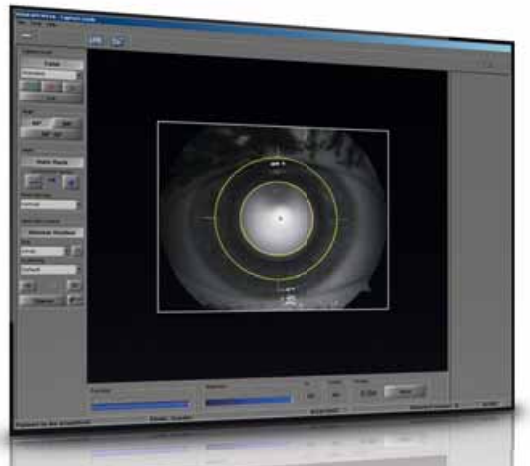


Simply more imaging



Easy monitoring of AMD patients

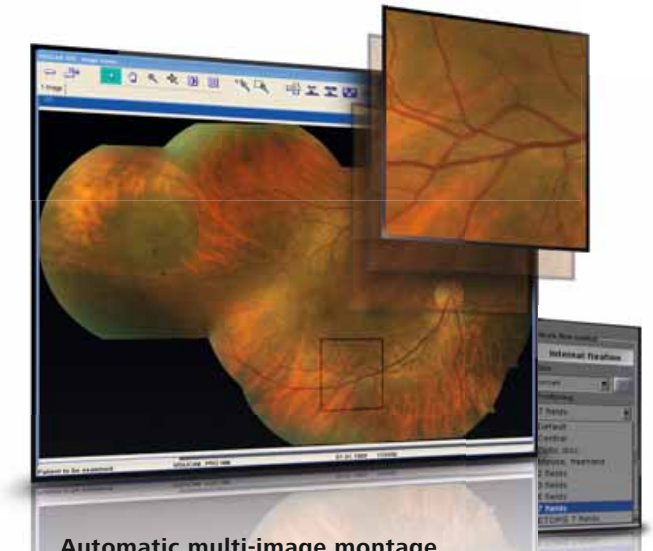
With the new AutoFluorescence option, you are prepared for increasing importance of geographic atrophy follow-up. The innovate image analysis software MPD starts earlier. It allows an easy assessment of the macular pigment density.



Smart adjustment aids

If desired, intelligent auto functions support fast and easy capture of fundus images even by untrained users:

- Pupil check
- Small pupil mode (≥ 3.3 mm)
- AutoFocus
- AutoFlash
- Easy positioning with working distance dots

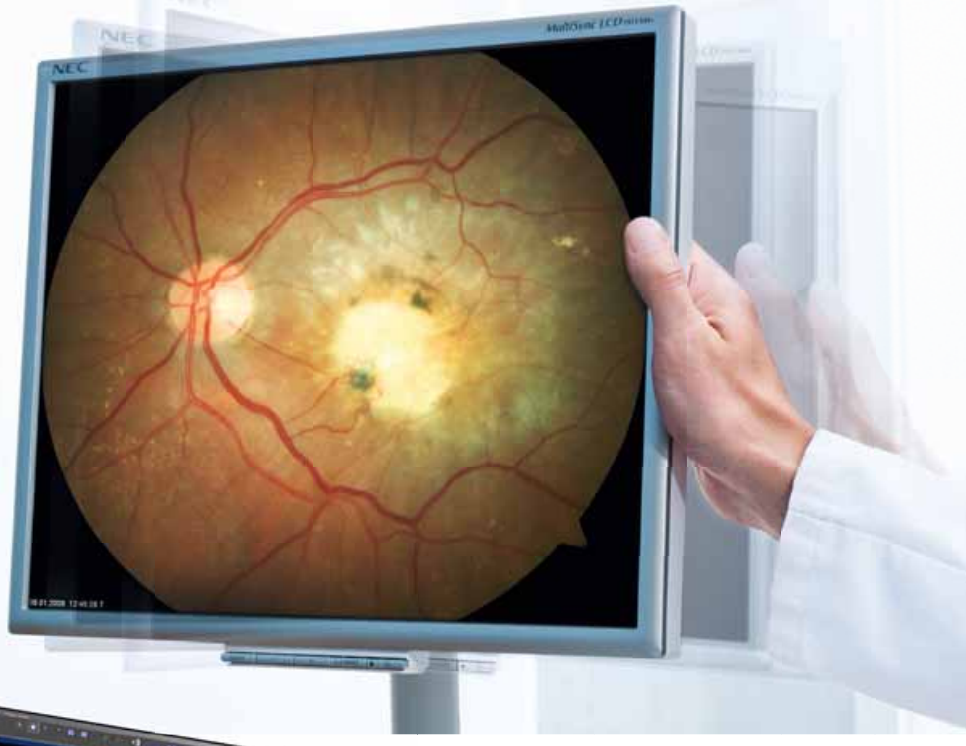


Automatic multi-image montage

Details or overview of the retina: With ZEISS AutoMap you easily get both. With manual or automatic positioning, internal fixation target options help to manage panorama imaging.

Step-by-step support

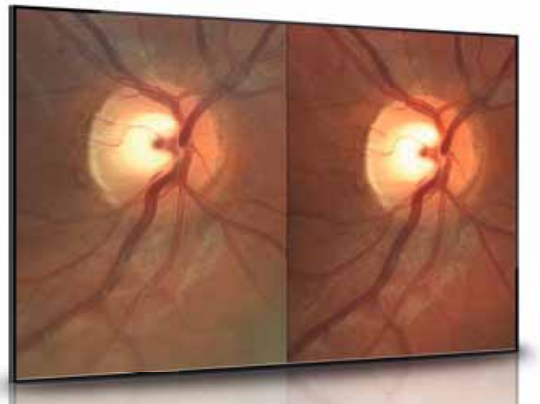
From easy capture and viewing to comprehensive patient education, VISUCAM 500 provides high-quality images in a natural, intuitive and continuous sequence.



Live visualization

Captured images are displayed on the monitor immediately for fast assessment. All processing functions are only a double click away. The supporting tools for your daily workflow include:

- Optional arterial venous ratio (AVR)
- Various magnifying features
- Simplified search for images and patients
- Drag & drop functionality for printout preparation

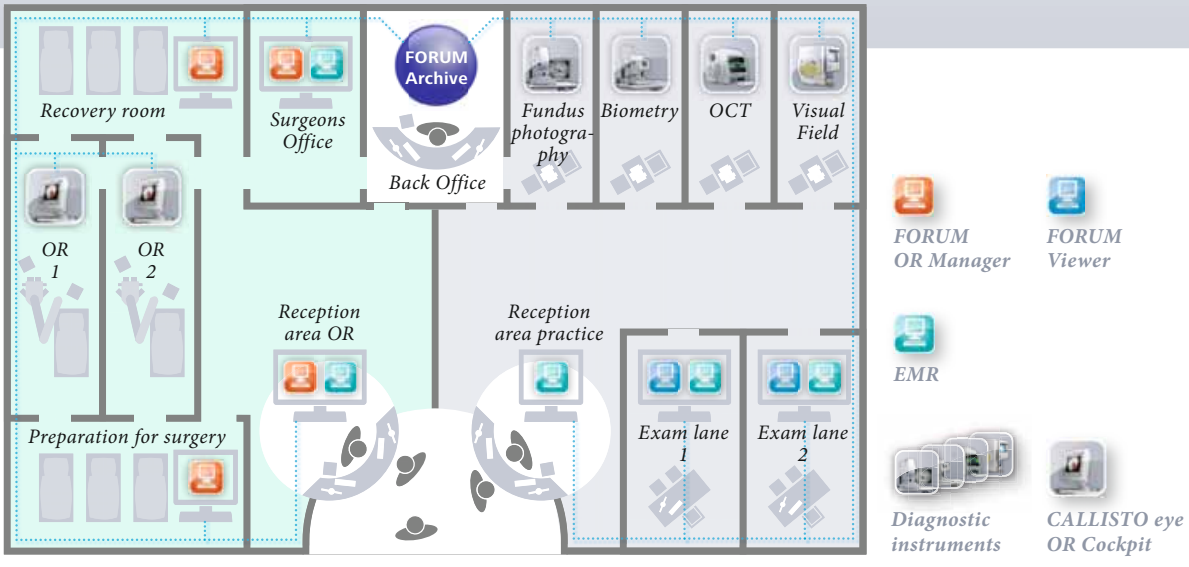


More information in 3D quality

With the stereo mode, 3D images are easy to capture and handle. Saved in a single file, the VISUCAM 500 software remembers every change of the JPS image pair.
With its excellent image quality, the 7-field mode and stereo images, VISUCAM 500 is a perfect fit for clinical studies.

All relevant data at your fingertips

VISUCAM 500 can significantly improve practice workflow efficiency, allowing you to concentrate on what counts the most: providing optimal care for your patients.



FORUM allows efficient management, central storage and fast access of reports, data and images from virtually all ophthalmic systems. It is an ideal fit together with VISUCAM 500, enabling seamless data flow throughout your practice.

All-in-one eye care workplace

VISUCAM 500 not only incorporates all capture modes required for routine procedures; it also integrates a computer and database for fast image transfer.

Safe, consistent data storage

Providing multiple archive options, VISUCAM 500 enables heightened data security. Besides the backup functionality of FORUM, data can be easily stored on the Network Archive Storage (NAS), hard disk or DVD.

Images wherever you need them

Images can be transferred throughout your local network via USB or DVD. When combined with the FORUM data management solution from ZEISS, VISUCAM 500 enables you to view and compare diagnostic data quickly and conveniently from virtually anywhere.
With modality worklist patient demographic information can be transferred from FORUM into VISUCAM 500 without retyping thus reducing time and charting errors.

Network Archive Storage
Providing data security independent from the EMR

Clearly arranged control elements
Enabling fast and easy imaging workflow

Sliding keyboard shelf (optional)
Offering more working space on the table

Technical Data

VISUCAM 500	
Fundus camera system	
Field angle	45° and 30°
Capture modes	Color, red-free, blue and red images, and images of the anterior segment, as well as fluorescein angiography. Optional: fundus autofluorescence, ICG angiography, stereo, MPD
Filters	Optical filter: FA + ICGA exciter and barrier filters, filters for green and blue images, filters for fundus autofluorescence and MPD, UV/IR barrier filters
Compensation for Ametropia	+35 … –35 D, continuous
Capture sequence	From 1.5 seconds (depends on flash energy)
Pupil diameter	≥ 4.0 mm ≥ 3.3 mm (30° small pupil mode)
Working distance	40 mm (patient eye – front lens)
Capture sensor	CCD 5.0 mega pixels
Monitor	19" TFT (1280 x 1024) connected via isolating transformer
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, 22 flash levels (max 60 Ws)
Database	Patient information and images with field angle, FA time, R/L recognition and date of visit
Computer	
Operating system	Windows XP Professional
Hard drive	Storage of over 150,000 images possible (present size: 320 GB)
Interfaces	USB ports and network connectors, DVI port
Export/import	Image formats: DICOM-OP, BMP, TIFF, JPEG Patient list, DICOM MWL, DICOM storage
Internal DVD burner	UDF format (DVD, CD)
Instrument table	Asymmetric, suitable for wheelchair
Accessories	Network printer, USB memory stick, FORUM/VISUPAC archiving and image analysis system Network isolator
Dimensions	
Basic device	410 mm x 480 mm x 650 mm (headrest) (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

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