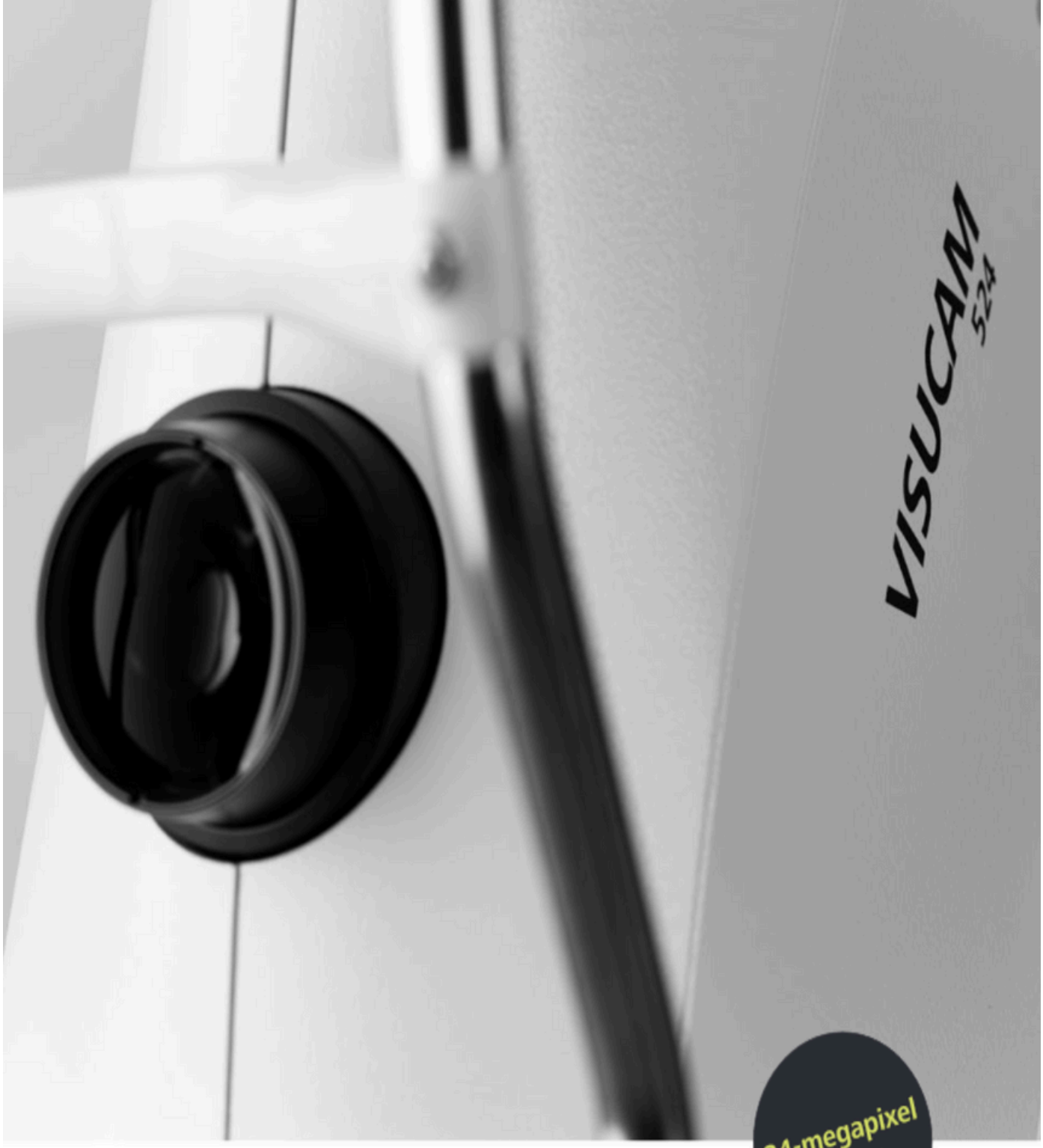


VISUCAM Fundus Imaging from ZEISS

Brilliance in every detail

ZEISS

ZEISS VISUCAM Fundus Imaging

Excellent clarity, ultra-high resolution, legendary ZEISS optics.

The new VISUCAM 524/224 fundus camera from ZEISS with a 24-megapixel sensor produces brilliant, detail-rich images to effectively aid in diagnosing and monitoring a broad range of eye diseases – from glaucoma and diabetic retinopathy to AMD.

Greater diagnostic insight –
High-resolution fundus imaging

Versatility –
Fully-featured camera with a full spectrum of imaging modes*

Enhanced practice performance –
Simple design, user friendly, full integration with clinic workflow

Setting a new standard for resolution

Details define your decisions
Ultra-high resolution and excellent clarity promote efficient navigation from full-image overview to magnification of the smallest detail, allowing precise visualization within a particular area of interest.

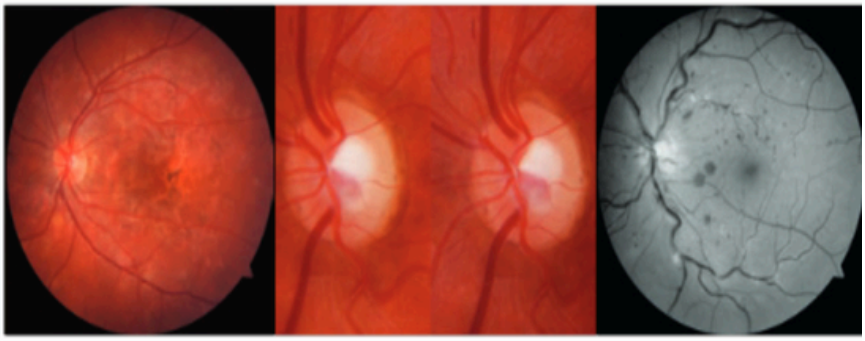
Fundus autofluorescence (FAF)
FAF, included on both ZEISS VISUCAM models, is an important non-invasive tool for the diagnosis and monitoring of dry AMD, including geographic atrophy.

More than a pretty picture
ZEISS VISUCAM is a complete system with numerous on-board image capture modes – fundus autofluorescence, non-mydriatic Color, Red-free, Red, Blue – and visualization functionality that provide powerful diagnostic insights for optimal patient care.

Advanced features such as fluorescein angiography and indocyanine green angiography* further extend its diagnostic applications.

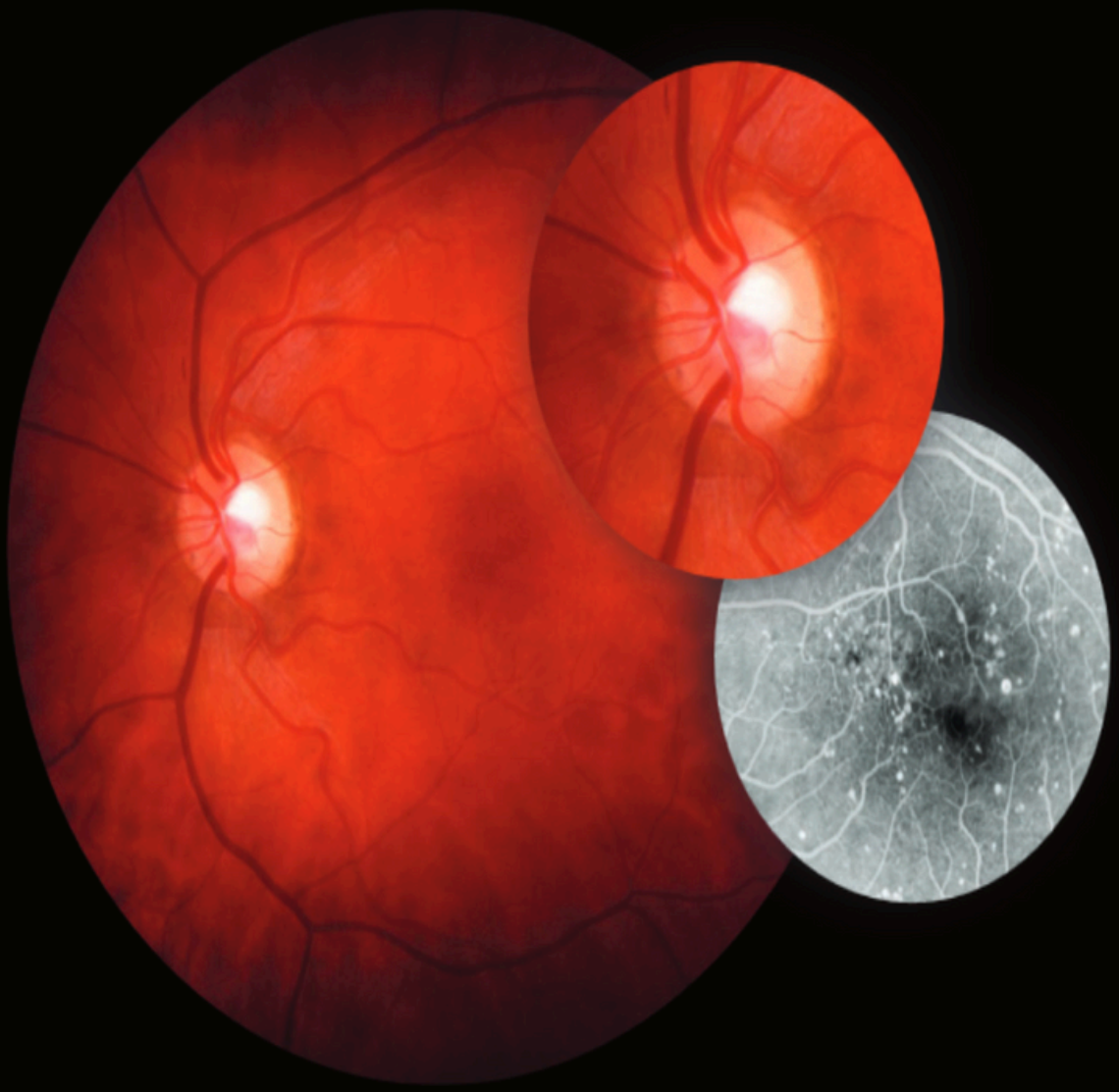
* Available only on ZEISS VISUCAM 524

ZEISS VISUCAM 524 with 24-megapixel Sensor



Color *Stereo image pair* *Red-free*

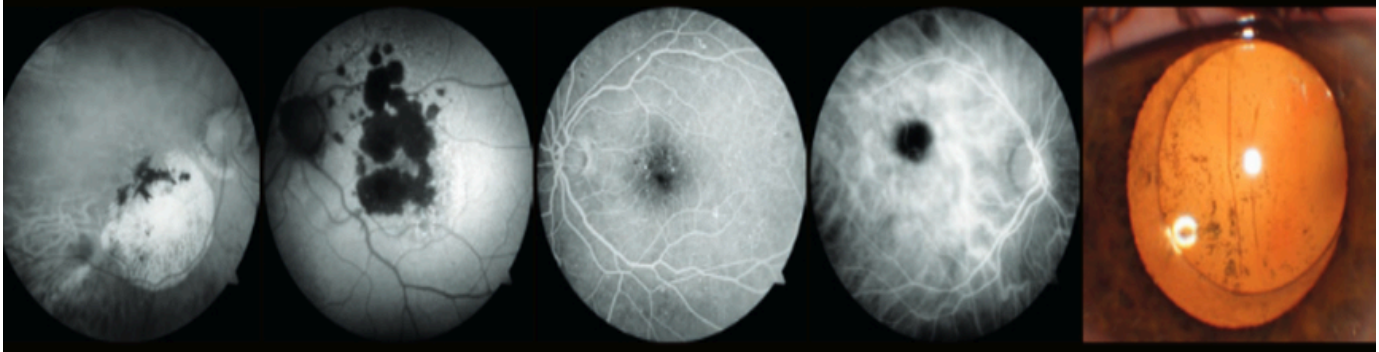
// PRECISION
MADE BY ZEISS



Best-in-class images from a 24-megapixel sensor

Available in two models

ZEISS VISUCAM 224 with FAF is a fully featured non-mydriatic and mydriatic color camera. ZEISS VISUCAM 524 adds fluorescein angiography with an optional ICGA mode for doctors who perform their own dye-based angiography.



Red *FAF* *FA* *ICGA* *Anterior segment*

Technical data

Fundus camera system

Field angle	45° and 30°
Capture modes	Color, red-free, blue, red and fundus autofluorescence images, stereo pairs and images of the anterior segment
VISUCAM 524 only	fluorescein angiography
VISUCAM 524 only	optional: ICG angiography
Filters	Optical filters for capture modes: Filters for green and blue pictures, filters for fundus autofluorescence images, UV/IR barrier filters
Compensation for ametropia	+35 D ... -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's eye – front lens)
Capture sensor	CCD 24-megapixels
Monitor	23" TFT (1920 x 1080), connected via medical power supply
Fixation targets	External and internal; four sizes of internal fixation target including a circle (for AMD patients). Attention mode for internal fixation target; various programmed sequences or freely positionable as combination with stereo mode too
Flash energy	Xenon flash lamp, 24 flash levels (max 80 Ws)
Database	Patient information and images with field angle, FA time, R/L recognition and date of visit are stored

Computer/Accessories

Operating system	Windows Embedded Standard 7
Hard drive	Storage of approx. 80,000 images possible (present size of HDD: 420 GB)
Interfaces	USB ports and network connectors, DVI port
Export/import	Supported image formats: DICOM-OP and VL, BMP, TIFF, JPEG Patient list, DICOM MWL, DICOM storage
Instrument table	Asymmetric, suitable for wheelchair
Accessories	Network printer, USB memory stick, monitor bracket, sliding keyboard shelf for instrument table, VISUPAC® archiving and image analysis system, Network isolator

Dimensions

Basic device	410 mm x 480 mm x 735 mm (W 16.14 x D 18.90 x H 28.94 inches)
Monitor	544 mm x 45 mm x 329 mm (W 21.4 x D 1.8 x H 12.9 inches) (depends on model)
Weight (basic device)	27.5 kg (60.7 lbs)
Rated voltage	100 ... 240 V ±10 % (self-adjusting)
Frequency	50/60 Hz
Power consumption	340 VA maximum (basic device); 60 VA maximum (monitor)

CE 0297

VISUCAM NM/FA
VISUCAM 524/224

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