Impress your customers
and simplify your workflow

ZEISS Vision Technology Solutions Catalog

Optical instruments that can be seamlessly integrated into your workflow.

ZEISS

Seeing beyond

INDEX

Click to learn more!

Seeing beyond

About ZEISS

2021 was a special year for ZEISS

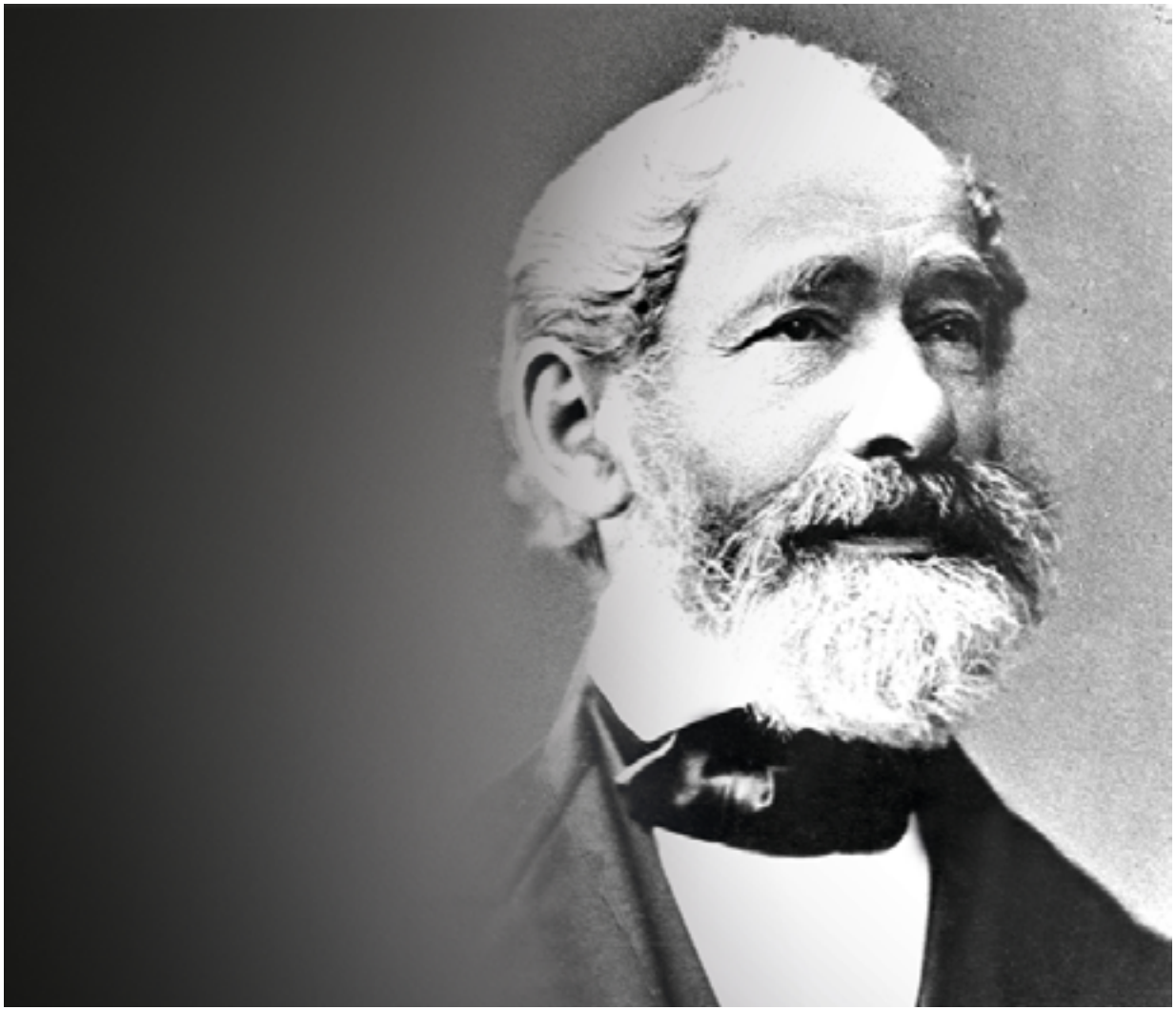
Seeing beyond

175 years ago, on 17 November 1846, our company was founded by Carl Zeiss in Jena.

ZEISS is an internationally leading technology enterprise operating in the fields of optics and optoelectronics.

ZEISS develops, produces and distributes highly innovative solutions for industrial metrology and quality assurance, microscopy solutions for the life sciences and materials research, and medical technology solutions for diagnostics and treatment in ophthalmology and microsurgery. The name ZEISS is also synonymous with the world's leading lithography optics, which are used by the chip industry to manufacture semiconductor components. There is a global demand for trendsetting ZEISS brand products such as eyeglass lenses, camera lenses and binoculars.

Thanks to a strong brand and a portfolio aligned with future growth areas such as digitalization, healthcare, and smart production, ZEISS is shaping the future of technology and constantly advancing the world of optics and related fields with its solutions. The company's significant, sustainable investments in research and development lay the foundation for the success and continued expansion of ZEISS' technology and market leadership.



175 years

ZEISS Experience & ZEISS Ecosystem

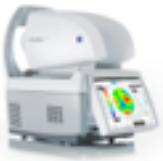
Experience eye care in a whole new way

Seeing beyond

Welcome and pre-tests

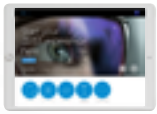
Eye Conditions Check

Objective Refraction



Subjective Refraction

Frame selection and digital centration



Consultation and ordering

Enhance your patient's experience at every touchpoint of the customer jurney: connecting the ecosystem of ZEISS instruments, will make your consultation process simple, fast and pleasant for your patient and for you, leaving you with more time for face-to-face communication.

CLICK TO LEARN MORE
with the VTS app

Scan QR-code
and go to VTS app

Contactless consultation

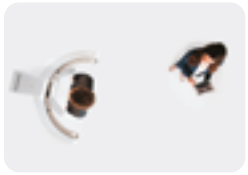
Safe and convenient eyecare, consultation and dispensing experience

Seeing beyond

Consulting and data management - VISUCONSULT 500

Objective refraction - i.Profiler plus

Subjective refraction - SRU (VISUSCREEN + VISUPHOR)



Digital centration - VISUFIT 1000 with Virtual Try-on modules

ZEISS Vision Technology Solutions give the option to offer contactless vision examinations so you can keep a safe distance between you and your patients.
ZEISS VISUCONSULT 500 is the 'brain' of your practice ecosystem: connecting to the ZEISS ecosystem from patient management to remote control of instruments, you can consult at a safe distance of 2 m with the highest precision devices from ZEISS.

Our i.Profiler plus autorefractor-keratometer is accessed remotely with a tablet or PC to give you the flexibility to operate at any distance. The operation of the ZEISS Subjective Refraction Unit, is easily controlled remotely at a safe distance of up to 2 m.

The digital solution ZEISS VISUFIT 1000 Platform does not need a clip frame to measure all the parameters, preventing excessive manipulation of frames as well as incorrect positioning on the face. A peek into the near future are the ZEISS Virtual Try-on modules: you can select frames virtually, free of contact and at a distance of 2 m. Customers can easily decide what suit them best.

- CLICK to learn more about VISUCONSULT 500 + ZEISS Server
- CLICK to learn more about i.Profiler plus 2020 release
- CLICK to learn more about ZEISS SRU
- CLICK to learn more about VISUFIT 1000 Platform and Virtual Try-on

- Possibility to access the following devices from a distance, using a tablet: ZEISS SRU (ZEISS VISUPHOR 500 and VISUSCREEN 100 / 500), ZEISS i.Profiler plus, i.Terminal mobile, i.Terminal 2 and VISUFIT 1000 Platform.
- Digital. Complete patient management system that allows you to store patient information in an organized, historical record system, and transfer data efficiently among practice staff, in and out of the examination room.
- Paperless. Central data storage and multi-platform iPad and PC data management with simultaneous multi-user capability, to be accessed at any time without the use of paper.

Consultation & Ordering

Enhance your patient experience in each stage of your consultation

Seeing beyond

ZEISS MY VISION PROFILE
Web app

ZEISS VISUCONSULT 500
Easier consultation process

ZEISS VISU360
Comprehensive remote eyecare

ZEISS VISULENS 550
Wavefront lensmeter with UV spectrometer

ZEISS VISUSTORE
Your tool for intelligent ordering

ZEISS My Vision Profile

Seamless and complete journey from online to offline

Seeing beyond

My Vision Profile analyzes a user's lifestyle and vision behavior with a series of questions. It generates a unique vision profile and recommends the optimum ZEISS lens solution based on individual vision needs. It's a unique dispensing tool which ensures that customers have a more comprehensive understanding of their visual needs prior to entering the store. Your customers can store their personal vision profile as a QR code on their smartphone and bring it along to the store. The results can be reviewed in your store with the help of VISCONSULT, providing essential information that will help you to recommend the most suitable lens solutions.

■ **Free access** available on the ZEISS website:
myvisionprofile.zeiss.com

■ **Customized version for your website**
Your customers can get a better understanding of their visual needs by simply visiting your website.

- With the customizable, co-branded My Vision Profile on your website you'll be able to let your customers create their unique vision profile to determine which ZEISS lenses suit their lifestyle and visual needs best.
- Easy installation:
  Only 4 steps to install a customized version on your website, and it updates automatically (no extra effort).
- Stand out online:
  Enhance your website and increase your online visibility with an award-winning web application. You can co-brand the My Vision Profile with your name and practice details to ensure that customers find their way to your store.
- A free service by ZEISS.

Technical data

Cross platform, smartphone and PC
Easy and quick survey, done in 4/5 min
Simple and understandable GUI design
Lifestyle questions about: work, leisure, digital life, vision and mobility
Automatic generation of the QR code, will let customers continue the experience in-store, with VISUCONSULT 100/500

Click to learn more about VISUCONSULT 500

ZEISS VISUCONSULT 500 + ZEISS Server

Get connected with an easier consultation process

Seeing beyond

ZEISS VISUCONSULT 500 is a versatile connectivity solution that helps you increase efficiency and accuracy throughout the consultation process. It enables easy transmission of data among ZEISS devices within practice and consistently manages your customers' records to offer a unique consultation experience.

ZEISS VISUCONSULT 500 does not only offer you an entirely new dimension of flexibility and interaction with your customers, but also a more solid and efficient connectivity solution with your ZEISS devices.[1]

FEATURES

- Easy-to-use, flexible and intuitive Graphic User Interface (GUI) allows you to control and access information with few clicks.
- Integrated with ZEISS Vision Needs Analysis to easily recognize your patient's lifestyle needs.
- Complete patient management system that allows you to store patient information in an organized historical record to track the evolution of the visual condition of your patient over time.
- Possibility to operate at a distance using a tablet with ZEISS i.Profiler *plus* and ZEISS Subjective Refraction Unit (ZEISS VISUPHOR 500 and ZEISS VISUSCREEN 100/500) to offer a unique patient experience as well as a more convenient refraction process.
- Screening module, frame comparison, remote access to centration devices and lenses demonstration will provide further support to streamline your workflow, from welcoming the customer to ordering the lenses.

[1] Ask your ZEISS rep for the list of compatible ZEISS devices.

Technical data

Client PC: Windows® 7 or higher (64 bit)
Internet access for updates and remote service

i.Pad: iPad Air 2; iPad (9.7" Retina display)
Operating system: Current iOS software version available on the market, Internet access for updates and remote service

Router:
Wireless Access Standard: at least IEEE 802.11n (recommended: IEEE 802.11ah)
LAN speed: 100 Mb/s or higher
Keep the router's firmware and virus scan software up to date

Network recommendations:
Don't connect ZEISS devices to public networks
Use of a separate network for your ZEISS devices recommended
Use CAT6- or CAT7-cable to connect PC and router

ZEISS Server physical data

H 100 mm x W 370 mm x D 220 mm / Weight: 4,1 Kg ca.

ZEISS VISU360

Comprehensive eyecare anywhere, anytime

Seeing beyond

The ZEISS VISU360 digital platform connects the doctor from any remote location, to the ZEISS ecosystem of instruments and services in the optical practice, importing data from virtually any basic pre-test or advanced diagnostic set-up. This secure, cloud-based platform allows the doctor to remotely control the ZEISS digital phoropter while supporting real-time video communication with the patient in-practice, guided and assisted by a technician.

ZEISS VISU360 enables a comprehensive eye care workflow during scheduling, pre-exam and data collection. It provides support to the user throughout the entire remote optometric exam – from advanced diagnostic imaging and consultation to refraction, comprehensive exams, and the final post-exam or post-sale patient care.

- Award-winning user interface, intuitive and user-friendly.
- Efficient, state-of-the-art web services for workflow and data management.
- Impactful and comfortable doctor, technician and patient experience.

Technical data

ZEISS equipment:
- ZEISS VISUCONSULT 500
- ZEISS Server
- ZEISS Digital Phoropter (ZEISS VISUPHOR 500 & ZEISS VISUSCREEN 100/500)
- ZEISS VISU360 platform

Laptop / PC:
- CPU: Intel® CoreTM i3 or better
- Screen minimum resolution: 1366 × 768 px
- OS: Microsoft Windows® 7, 8.1, 10; Apple® macOS 10.10 or higher
- Web browser: Google® Chrome, version 90 or higher (latest versions always recommended)
- ZEISS ID: VISU360 digital platform access account

Video-call support:
- 27’ Screen with minimum resolution 1366 × 768 px (practice)
- High-quality web-cam and audio support (doctors and practice)

Network support:
- iPad® Tablet (practice)
- VPN secure network
- Wi-Fi router with high-quality internet connection (min. 10 Mbs / latency 100 ms)

ZEISS VISULENS 550

Digital lensmeter with an integrated UV spectrometer

Seeing beyond

ZEISS VISULENS 550 offers you intelligent measurement modes for a wide range of lenses as well as numerous other valuable features. It is equipped with a green measurement LED and a Shack-Hartmann sensor that allows you to precisely determine the power of the entire set of different lens materials and designs without the need to adjust the Abbe number.

ZEISS VISULENS 550 features an advanced UV transmission measurement system using the appropriate range to precisely determine the current level of protection of the measured spectacles. The result: high precision and quality of measurements for your patients and more upselling support for you.

FEATURES & BENEFITS

- Intelligent measurement modes including single vision, multi-focal and progressive lenses, tinted and clear lenses, UV transmission measurement mode and contact lens mode for soft and hard contact lenses.
- Tiltable 7” color touch screen with a new graphic user interface - easy to operate, even for inexperienced personnel.
- Digital lensmeter with comprehensive UV Spectrometer with a wavelength range between 365-480 nm with steps of 3 nm.
- Easy to explain “Optician Mode” and “Clinic Mode”.
- Shack-Hartmann Wavefront technology for fast, high precision and high-quality measurements of entire sets of different lens materials and indices.
- Optimized housing for longer temples.

Device data
Dimensions (W × D × H): 210 mm × 270 mm × 417 mm
Weight: 6 kg
Power supply: 100 V to 240 V~ , 50/60 Hz, 40 VA
Connectivity: RS 232, LAN 10/100 fully isolated, USB 2.0
Measurement modes: Standard / Progressive / Contact lens / UV
Thermo printer paper width: 57 mm
Display: tiltable 7 inch color touchscreen

Wavefront measurement
Wavelength: 545 nm (e-line)
Sphere: -25 D to +25 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Cylinder: 0 D to ± 10 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Axis: 0° to 180° in steps of 1°
Addition: 0 D to + 10 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Prism: 0 Δ to 20 Δ in steps of 0.01 / 0.06 / 0.125 / 0.25 Δ
Pupillary Distance (PD): 0 to 82 mm

Specifications
Monitor: tiltable color touchscreen monitor 7” (800 × 480)
Device operation: Touchscreen and save key. Updated GUI, for enhanced usability
Connectivity: Serial interface RS232 / External video port / LAN (web service, web server, shared folder, remote network configuration) / USB (service and data storage)
Patient worklist and device memory: - Access to recent measurements - Linkage to patient database (e.g. FORUM13 or VISUCONSULT 500) - Display of measurement lists (review) and patient worklists

ZEISS VISUSTORE

Lens customization and ordering system

Seeing beyond

VISUSTORE is the online ordering system by ZEISS. The technology used to produce modern, individualized ZEISS lenses is highly complex. But thanks to the VISUSTORE platform, ordering them couldn't be easier. It takes just 30 seconds to place an order due to a guided workflow, with 24/7 access including error-free navigation. Get an up-to-date overview of order status, important news and contacts at any time.

BENEFITS

- Platform-independent: order your lenses online via PC, laptop or tablet.
- The speedy solution: place your order in just 30 seconds.
- Ease-of-use: start using straightaway, no training necessary.
- Avoid input errors: support through immediate plausibility check.
- Optimum sales support: thanks to easy-to-understand graphics and lens diagrams.

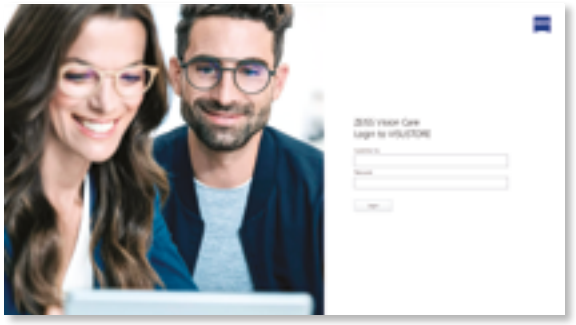
Technical data

Multi-device, optimized for any system connected to the internet Interface to VISUCONSULT 500
Customizable settings
Managing pricing and promotions

Compatibility

Any platform Windows and iOS on PC or tablet

Click to learn more about VISUCONSULT 500



Eye Condition Screening

Analyze your patients' vision needs and the condition of their eyes

Seeing beyond

ZEISS VISUPLAN 500
Intraocular pressure measurement

ZEISS VISUSCOUT 100
Portable fundus camera

ZEISS VISUPLAN 500

Fast and comfortable non-contact tonometer

Seeing beyond

Review and monitor the development of the intraocular pressure of your customers with VISUCONSULT 500

The measurement of intraocular pressure is a regular part of every professional glaucoma screening.

The VISUPLAN 500 from ZEISS makes this examination very easy and, unlike Goldmann tonometry, does not require contact or anesthesia. The measurement is made with a soft puff of air and can be administered by your practice trained team.

The measurement process runs automatically.
Start directly via the touchscreen and choose from single or multiple measurements. You also have the option of initiating a test puff to prepare your patients for the examination.

FEATURES & BENEFITS

- Automatic positioning and measurement with integrated auto-tracking. Features a unique auto-track, doing the measurement operator-independent.
- Reliable LED fixation and automatic measurement puts patients at ease so fixation can happen intuitively.
- Identify patients at risk quickly and reliably.
- Receive accurate measuring results, regardless of the operator.
- Your staff can take the measurement.
- Network connectivity, direct DICOM and EMR interface.

CLICK to learn more about VISUCONSULT 500

Technical data

Dimensions (W x D x H): 270 x 359 x 501 mm
Dimensions with optional manual chinrest (W x D x H): 270 x 480 x 510 mm
Weight: 10.9 kg
Weight of the optional chinrest CR4VP: 3 kg
Power frequency: 50/60 Hz
Power consumption: 60 - 85 VA
Voltage_ 100 - 240 V
Protection class: 1
Instrument type: B (DIN EN 60601-1)
Measuring range: 7 – 60 mmHg
Monitor: 5.7" LCD TFT
Printer: Thermal printer
Printer paper: Thermal paper (width: 57 mm, roll diameter: 50 mm)

ZEISS VISUSCOUT 100

Portable fundus camera: retinal screening that reaches every patient

Seeing beyond

Interface of the supplied PC viewer-software.

Reliably detecting and monitoring retinal disorders is key to ensure high-quality care and to maintain the vision of your patients: VISUSCOUT 100 from ZEISS lets you do precisely that. As a mobile fundus camera, it is the perfect imaging companion. Packed into a small, rugged carrying case, the ZEISS VISUSCOUT 100 can be conveniently transported and easily fits into any practice setup. Thanks to the camera's non-mydriatic operation and precise autofocus function, dilation of the eyes is not required. Its battery power provides added flexibility. The Wi-Fi functionality enables instant transfer of images to a PC.

FEATURES & BENEFITS

- Take color and red-free images instantly with the 40° field of view. The device fulfills all relevant ISO 10940 fundus camera standard requirements.
- Nine internal fixation LEDs help align the patient correctly and also facilitate the capture of peripheral images.
- Wireless flexibility for fundus imaging wherever you need it.
- Easy capture of images and videos.
- Simple to operate, even for Eye Care Professional staff and assistants.
- Improve connectivity with ZEISS VISUCONSULT 500 and ZEISS digital platforms for archiving and data sharing.

CLICK to learn more about VISUCONSULT 500

Technical data

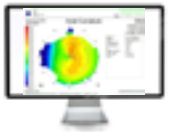
Dimensions (W x D x H): 115 x 216 x 199 mm
Weight: 800 g
Sensor resolution / type: 5 MP / CMOS
Protection class: 1
Charging station: 100 - 240 V ~0.4 A 47 - 63 Hz, Output: 9 V, 1.1 A, 10 W
Battery: Rechargeable Li-Ion 3.6 V, 2350 mAh
Field of view: 40°
Capture mode: Color, red-free, IR
Focus range: -20 D to + 20 D
Fixation: 9 x LED, Internal
Minimum pupil size: 3.5 mm
Display: 4" TFT-LCD, 800x480 px 16.7 M colors, anti-glare coating
Data connectivity: USB Wi-Fi (802.11 b/g/n) on 2.4 GHz band
Data formats: JPEG, MPEG4/1 (DICOM)
Memory: Wi-Fi SDHC card

Objective Refraction

Measure your patients’ visual needs precisely

Seeing beyond

ZEISS i.Profiler *plus*
Vision analysis and vision profile



ZEISS ATLAS Review for i.Profiler *plus*
Topography and contact-lens fitting

ZEISS VISUREF 150
Autorefractor and keratometer

ZEISS i.Profiler *plus*

Seeing beyond

2020 release, 4-in-1 compact system:
wavefront aberrometer, autorefractometer, ATLAS corneal topographer and keratometer

Version 3.0

CLICK TO LEARN MORE
about i.Profiler plus

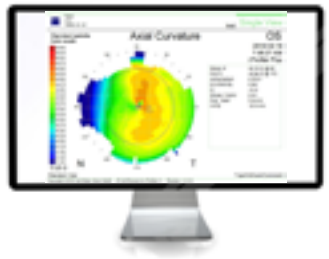
The 2020 release of the ZEISS i.Profiler *plus* operating system, is introducing several software, workflow, graphic user interface and connectivity improvements.

New
Visual Optical Analysis

Along with the 7 parameter Visual Optics Analysis, interactions of the wavefront analyzer, the detected pupil and the corneal topographer provide an automatic and complete assessment of the eye optics.
This guides a quick and successful subjective refraction and the identification of "ZEISS i.Scription ready" patients.

New
PathFinder II

The incorporated ZEISS PathFinder II module will provide fast and automatic pre-assessment of corneal status, designed to assist you to identify abnormal or suspect corneal conditions and pathologies including keratoconus, or myopic and hyperopic laser vision corrections.



New optional
ZEISS ATLAS Review

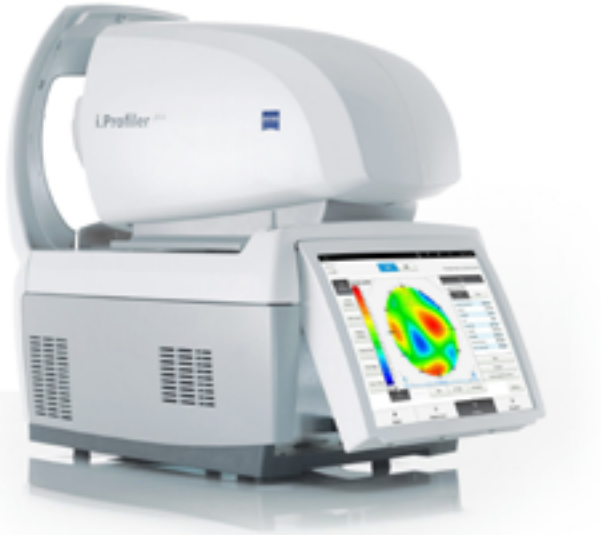
The connectivity to the **optional** ZEISS ATLAS Review for i.Profiler *plus* software enables advanced keratometry and contact lens fitting.

CLICK to learn more about ZEISS ATLAS Review software

ZEISS i.Profiler *plus*

Vision analysis and vision profile

Seeing beyond



Remote access and connectivity to ZEISS Ecosystem via VISUCONSULT 500 + ZEISS Server.

- CLICK to learn more about ZEISS ATLAS Review
- CLICK to learn more about Contactless eyecare
- CLICK to learn more about VISUCONSULT 500

The i.Profiler plus by ZEISS is a 4-in-1 compact system that combines an ocular wavefront aberrometer, autorefractometer, ATLAS corneal topographer and keratometer in a single device. The most accurate lenses can only be prescribed when you have all the relevant information about a patient's eyes. Let the ZEISS i.Profiler *plus* provide you with a detailed visual profile so you can answer your patients' visual needs.

FEATURES & BENEFITS

- Overcomes the the limitations of traditional instruments used for subjective refraction measuring as well the High Order Aberrations of your patient's eyes.
- Improves the efficiency of subjective refraction and reduces the duration of the exam, because measurement with ZEISS i.Profiler *plus* reaches a 20/20 Visual Acuity in 94% of patients with an approximation of 1/4 of the diopter to the final subjective refraction.[1]
- ZEISS i.Profiler *plus* wavefront data is combined with the optometrist's subjective refraction using proprietary ZEISS algorithms to calculate a completely individualized prescription to partially compensate the HOA in the patient's eyes, that is accurate to 1/100th of a diopter: ZEISS i.Scription Lenses.
- ZEISS i.Scription lenses are fully customized wavefront lenses that ensure each and every patient can benefit from personalized lenses and enhanced vision. It helps wearers experience improved visual acuity and perception of contrast and color, as well as seeing better in any luminance conditions, especially low light.

OPTIONAL

- ATLAS Review for i.Profiler *plus* topography software.

Technical data - Wavefront

Measuring range, sphere: –20 D to +20 D
Measuring range, cylinder: 0 D to +8 D
Axis: 0° – 180°
Measuring surface: 2.0 mm to 7.0 mm (three zones)
No. of measuring points: up to 1500
Method: Hartmann-Shack
Reference wavelength: 1 555 nm according to ISO 24157

Technical data - Corneal topography

No. of rings: 22 (18 complete rings)
No. of measuring points: 3,425
Detected corneal surface at 42.125 D: dia. 0.75 mm to 8.6 mm
Diopters: measurement range 25 to 65 D
Accuracy: ± 0.05 D (± 0.01 mm)
Reproducibility: ± 0.10 D (± 0.02 mm)
Type A: according to ISO 19980

Physical data

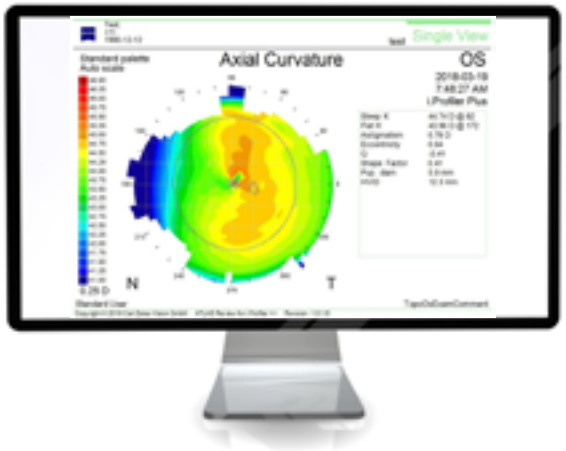
Line voltage: 100-240 V AC ± 10%, 50…60 Hz
Power consumption: ≤ 200 VA
Dimensions (W x H x D): 345 x 555 x 525 mm
Weight: 30 kg
Interfaces: VGA, 3x USB, RS232, 2x LAN
Printer: Thermal, integrated
Display: 12" color touch LCD

[1] Kevin Reeder, OD, Earl Sandler, OD, Joel Cook, OD, and Lynette Potgieter, B. Optom (RSA) – The Carmel Mountain Study (San Diego County, California), double blind test on preference between ZEISS i.Scription Lenses and comparable ZEISS free-form test lenses (n=37), 2016.

ZEISS ATLAS Review for i.Profiler *plus*

Get more out of your corneal topography system

Seeing beyond



ATLAS Review for i.Profiler *plus* by ZEISS is a high-value optional software tool which allows you to get more out of your ZEISS i.Profiler *plus* embedded ATLAS Corneal Topography. This software builds on the previous ZEISS ATLAS tool that clinicians have come to trust, providing users (of the 2020 release: please note the system requirements) with a range of added functionality.

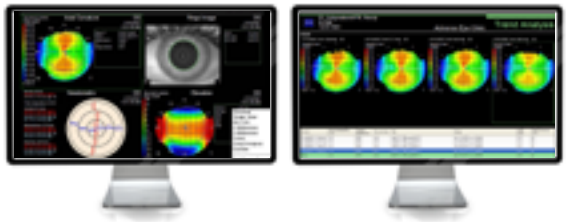
CLICK to learn more about i.Profiler *plus* Release 2020

Compatibility

i.Profiler *plus* 2020 release

Computer (minimum)
- Microsoft Windows 10
- 1Ghz Processor and 8Gb RAM
- Hard Disk Drive: 500 Gb
- 100/1000 Ethernet or Wi-Fi & USB 3.0
- Monitor with 15" color flat panel display

NOTE: subject to change as a result of ongoing technical development

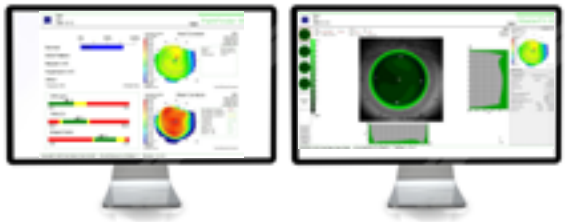


Intuitive analysis and complete reporting
Customize colors and scales for detailed corneal assessments, with automatic display of preferred parameters

Evolution and trend analysis
Corneal conditions monitoring with analysis of the corneal evolution across visits

FEATURES & BENEFITS

- Dynamic remote access to the database of all your i.Profiler *plus* corneal topography exam data
- Includes screening and patient education tools, such as corneal wavefront simulation, corneal conditions monitoring and advanced contact lens fitting.



Pathfinder II Corneal Analysis Software
Anterior topographic screening module to help identify and monitor abnormal corneal conditions

Masterfit II Contact lens fitting
Simulated fluorescein patterns and tear film thickness profiles promote effective RGP lens design

ZEISS VISUREF 150

Autorefractor and keratometer

Seeing beyond

Printable
PDF report

VISUREF 150 from ZEISS is a basic professional instrument that combines reliable performance with great user convenience. It delivers fast, reliable objective refraction and keratometry results for an in-depth assessment of patient condition. Easy to set up and use, the ZEISS VISUREF 150 can be operated after a short training period.

FEATURES & BENEFITS

- Fast, accurate and reliable data for an in-depth assessment.
- Comfortable and quick process for operator and patient.
- Convenient measurements and data handling.
- One device for the most important measurements: contact lens base curve, pupil and iris diameter evaluations, refraction measurements of patients with implanted IOLs.
- Automatic fogging reduces the effects of accommodation.
- Connectivity to the ZEISS ecosystem via VISUCONSULT 500 + ZEISS Server.

CLICK to learn more about VISUCONSULT 500

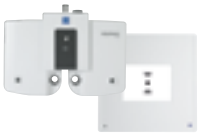
Device data
Sphere -25.00 D to +22.00 D in steps of 0.12 D / 0.25 D
Cylinder 0.00 D to ±10.00 D in steps of 0.12 D / 0.25 D
Axis 0° to 180°, in steps of 1°
Corneal vertex distance 0.00, 10.00, 12.00, 13.50, 15.00 mm
Pupil distance (PD) 10 mm to 85 mm
Min. pupil diameter 2 mm

Keratometry
Corneal curvature: 5.00 to 10.20 mm, in steps of 0.01 mm
Corneal refraction: 33.00 D to 67.50 D, in steps of 0.12 D / 0.25 D
Corneal astigmatism: 0.00 D to -15.00 D, in steps of 0.12 D / 0.25 D
Axis: 0° to 180°, in steps of 1°
Corneal diameter: 2.00 to 12.00 mm, in steps of 0.10 mm
Chin rest movement: max. 65 mm, motorized
Printer: internal thermal printer (paper width 57 mm), PDF print out via network printer possible
Connectivity: - 1 × serial interface RS 232; fully isolated 2MOPP - 1 × network connection (LAN 10 / 100); fully isolated 2MOPP - Supported data output options: ■ to EMR, PMS systems ■ file-based to network folder and USB stick ■ Web service interface for data retrieval - 1 × USB interface (for USB stick only) - 1 × VGA monitor output
Output data format: XML (JOIA), PDF
Power supply: 100 V to 240 V AC ±10 %; 50 / 60 Hz
Dimensions (W × D × H): 275 mm × 525 mm × 450 mm
Weight: 18 kg

Subjective Refraction

A more convenient vision testing experience

Seeing beyond



ZEISS Subjective Refraction Unit
A new perspective in subjective refraction

ZEISS VISUPHOR 500
Advanced digital phoropter

ZEISS VISUSCREEN 100/500
Advanced LCD acuity chart systems

ZEISS SRU: VISUPHOR 500 + VISUSCREEN 100/500

Subjective Refraction Unit, a new perspective in subjective refraction

Seeing beyond

ZEISS Subjective Refraction Unit (consisting of ZEISS VISUPHOR 500 and ZEISS VISUSCREEN 100 or 500) reduces refraction time and stress, offering you and your patients a truly convenient vision testing experience.

Combine ZEISS refraction instruments to perform an examination room experience that delivers highly precise results your patient can trust.

The fully integrated Graphical User Interface allows both the phoropter and visual acuity screen to be controlled simultaneously and wirelessly. This allows the user to single-handedly operate while ensuring a safe social distance. Fits into small examination rooms with a distance of 2 m in indirect use, supported by an automated size adjustment of the optotypes for the distance used.

BENEFITS

- ZEISS SRU saves you and your patients precious time in the refraction process and reduces the risk of significant deviations.
- Make refraction more comfortable for your patients.
- Secure the trust of your patients by performing refraction with advanced vision-testing technology.
- Focus more on the unique needs of every patient.

CONNECTIVITY

- Remote access and connectivity to ZEISS Ecosystem via VISUCONSULT 500 + ZEISS Server.

SRU Premium

Consists of: ZEISS VISUPHOR 500 + ZEISS VISUSCREEN 500

SRU Essential

Consists of: ZEISS VISUPHOR 500 + ZEISS VISUSCREEN 100

Technical data

Remote control via ZEISS SRU supplied app on iPad (not included). Compatible with iPad 4 or Air with iOS 8 or later - NOT compatible with iPad Mini or iPad Pro

Import data from i.Profiler plus, VISUREF 150 and VISULENS 550 with the included “Junction Box” or directly connect to selected PMS

CLICK to learn more about VISUPHOR 500

CLICK to learn more about VISUSCREEN 100/500

Optional

IR remote control for VISUSCREEN 100/500

Table foot for VISUSCREEN 100/500

ZEISS reflecting mirror

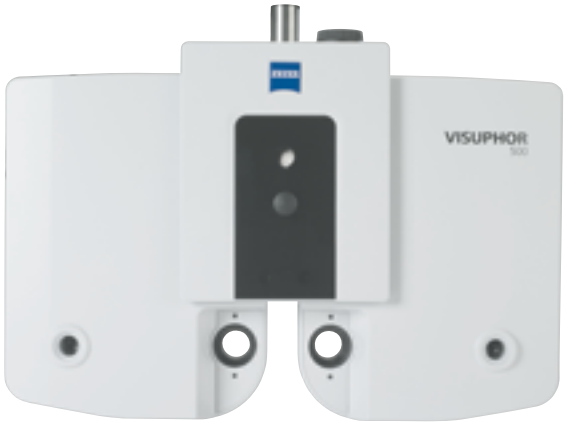
With VISUCONSULT 500 + ZEISS Server, the system is totally integrated into the ZEISS ecosystem workflow, from data import to prescription data export to PMS and VISUSTORE order entry system.

CLICK to learn more about VISUCONSULT 500

ZEISS VISUPHOR 500

Advanced digital phoropter

Seeing beyond



VISUPHOR 500 is an **advanced digital phoropter** that streamlines examination workflows and also contributes to the professional image of your eye care facility.

FEATURES

- Works in combination with VISUSCREEN 100/500.
- Powered by included "Junction Box".

CLICK to learn more about ZEISS SRU

CLICK to learn more about VISUSCREEN 100/500

CONNECTIVITY

- Remote access and connectivity to ZEISS Ecosystem via VISUCONSULT 500 + ZEISS Server.

CLICK to learn more about VISUCONSULT 500

Technical data
Spherical lenses -29,00 to +26,75 D. Step 0,125. In combination with Cross-cylinder or Prism: -19,00 to +16,75 D
Cylinder lenses 0,00 ±8,75 D Step 0,25
Cylinder axis 0° to 180° Step 1°
Jackson Cross-cylinder ± 0,25 / ± 0,50 /
Rotary prism 0 to 20Δ. Step 0,1
PD from 48 to 80 mm. Step of 0,25 mm
Visual field 40° (VD: 12 mm)
Stand not included

Auxiliary lenses
Retinoscopy +1,5 and +2,0 D
Pin hole lens 2 mm
Maddox Rod: OD: red, horizontal / OS: red, vertical Red/Green filter OD Red – OS Green
Polarizing filters: OD 135° / 45°- OS 45° / 135°
Split prisms: OD Δ6 BU - OS Δ10 BI (max. 5Δ combined)
Fused Cross Cylinder: ±0,50 D axis 90°

Physical data
Head: W 361 x D 108 x H 280 mm, 4,74 kg
Connector: W 71 x D 240 x H 251 mm, 1,88 kg
Line voltage: 100 to 240 V AC, 50/60 Hz
Power consumption: 1,0 A to 0,5 A AC

ZEISS VISUSCREEN 100/500

Advanced LCD acuity chart systems

Seeing beyond

VISUSCREEN 500

LCD **polarized** acuity chart system, with the renowned Polatest® technology from ZEISS, red/green separation and remote control.

FEATURES

- More than 120 monocular and binocular tests for accurate analysis of ametropia, astigmatism, stereopsis and fixation disparity.
- Complete "MKH" method Haase sequence.
- Full field polarized separation.
- Polarization axes OD 45° / OS 135°.
- Manual and automatic polarization inversion.

VISUSCREEN 100

LCD **anaglyphic** acuity chart system, with red/green separation and remote control.

FEATURES

- More than 80 monocular and binocular tests for accurate analysis of ametropia, astigmatism, vergence and accommodation amplitude.
- Red/green separation: OD Red filter - OS Green filter.

VISUSCREEN 100/500 CONNECTIVITY

- Remote access and connectivity to ZEISS Ecosystem via VISUCONSULT 500 + ZEISS Server.

CLICK to learn more about VISUCONSULT 500

Technical data

Convenient remote control with the ZEISS SRU supplied app on iPad (not included) with synchronization to the VISUPHOR 500. Compatible with iPad 4 or Air with iOS 8 or later - NOT compatible with iPad Mini or iPad Pro
Hi-resolution digital dispaly
Multi-function IR remote control
Integrated LED as additional charts feature for the Maddox test and ZEISS i.Scription Technology demonstration
Special tests for children
Testing distance: 100 cm to 800 cm (recommended: 400 cm direct vision or with reflecting mirror)

Physical data

Test area size (W x H): 299,5 mm x 223,5 mm
Dimension: H 594 x W 594 x D 110 mm
Weight: 15,5 Kg including wall mounting bracket

Optional

IR remote control for VISUSCREEN 100/500
Table foot for VISUSCREEN 100/500
ZEISS reflecting mirror

CLICK to learn more about ZEISS SRU

CLICK to learn more about VISUPHOR 500

Frame Selection & Digital Centration

Experience precision in a new dimension

Seeing beyond

ZEISS VISUFIT 1000 Platform
Digital platform
with Virtual Try-on of frames in 3D

Clip-frame free

ZEISS i.Terminal 2
Digital centration solution

Clip-frame needed

ZEISS i.Terminal mobile
Mobile digital centration solution

Clip-frame needed

ZEISS VISUFIT 1000 Platform

A digital platform for a unique patient experience

Seeing beyond

CLICK to learn more
about Virtual Try-on

The ZEISS VISUFIT 1000 Platform overcomes the barriers between online and offline and sets your business apart from the rest. Digitize your consultation and offer stand-out services such as frame comparison, digital centration and Virtual Try-on of frames in 3D, either in-store or at home. ZEISS VISUFIT 1000 Platform puts your patients center stage. Wow them with a precise 3D avatar and software that turns data into a unique buying experience.

FEATURES

- **One-shot 3D centration**
  Measurement is performed without the need of a clip-frame. Nine cameras capture a 180° view of the patient's face with a single shot.
- **Virtual Try-on**
  If your patients are looking for frames that you don't have on stock you can use the ZEISS Virtual Try-on module to explore catalogs of virtual frames in store.
- **Virtual Try-on @Home**
  The web-based app allows your patients to make their purchase wherever and whenever it fits their schedule. They can share favorite frames with family and friends and order just with the click of a button.

BENEFITS

- Raise your business profile.
- Impress your patients.
- Ensure precise centration.
- Enjoy more convenience.
- Digitalize your business.

Technical data

Line voltage: 100 V - 240 V AC / Network frequency: 50 Hz - 60 Hz
Power consumption: ≤ 350 VA
Mains fuses F1, F2: T4.0A/H 250 V 5x20 IEC 60127-2/5
Battery: CR 2032 / Protection class: I
Overvoltage category: II / Pollution degree: II
Laser class I acc. to 21 CFR 1040.10 and IEC 60825-1:2014
Ambient conditions for intended use: - Temperature 10–40°C - Rel. humidity 30–85% (no condensation) - Max. height (MSL) 3,000 m
Conditions for transport and storage (in original packaging) - Temperature -20–70°C - Rel. humidity 10–85% (no condensation) - Pressure range 500–1,080 hPa
Dimensions of base: 1050 mm x 698 mm
Instrument (H x W x D): 1215 - 2065 mm x 1050 mm x 925 mm
Weight: approx. 69 kg / Min. ceiling height: 2.1 m

Subject to changes in design and scope of delivery in line with technological advancement.

Travel path

Minimum eye level: 110 cm (corresponds to height of approx. 120 cm)
Maximum eye level: 195 cm (corresponds to height of approx. 208 cm)
Lifting range: 85 cm

CLICK to learn more about VISUCONSULT 500 + ZEISS Server

ZEISS Virtual Try-on

Help your patients see which frames suit them best

Seeing beyond

CLICK to learn more
about Virtual Try-on

The software modules for the virtual try-on of frames in 3D help you offer more choices to your patients, combining the ideal fit within an engaging buying experience.

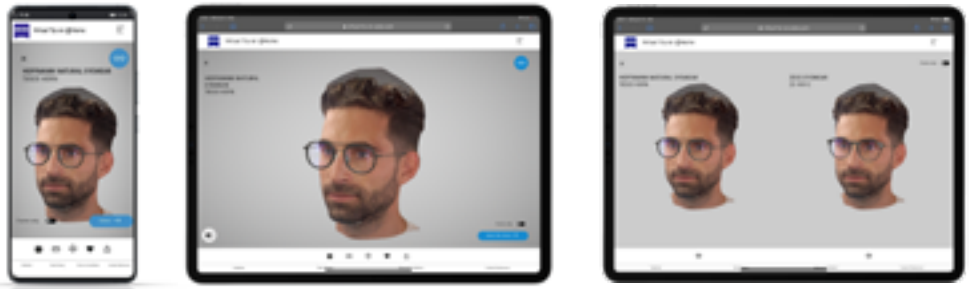
The ZEISS Virtual Try-on module uses an **artificial intelligence algorithm** to learn from patient interactions. It analyzes face shape, skin, eye and hair color to help you suggest the frames which suit your patient best. Your patients can try on and compare frames that you have in your shop, or you can use their digital avatars to try on frames from an online catalog.

Virtual Try-on @Home
The web-based app allows your patients to make their purchase wherever and whenever it fits their schedule. They can share favourite frames with family and friends and order with the click of a button.
The integrated online service for customized marketing allows you to advertise your new frame collection and to give personlized frame recommendations to your patients.

FEATURES

- Pioneer new digital technologies to your consumers offering a unique omni-channel journey.
- Differentiate from competition and improve your professional reputation thanks to latest digital services.
- Increase your sales thanks to online and offline purchasing possibilities and reaching new target groups.
- Offer customized consultation and marketing thanks to personalized frame recommendations.
- Increase customer satisfaction and loyalty by matching your patient's purchasing experience to their individual lifestyle.
- Offer your trusted personal consultation supported by artificial intelligence.
- Expand your frame portfolio without overstocking your shop and benefit from an enormous selection of frames.
- Accelerate and improve the fitting process with virtual centration.

Click to learn more about VISUCONSULT 500 + ZEISS Server



ZEISS i.Terminal 2

Digital centration solution using a patented laser technology

Seeing beyond

ZEISS i.Terminal 2* represents the proven centration solution using a patented** laser technology to enhance patient experience. It is very user friendly and fast, offering precise centration results.

FEATURES & BENEFITS

- Experience high reliability thanks to convergence based on ZEISS patented laser technology.
- Provide your patients with fast and precise centration results, capturing and calculating individual parameters with the click of a button.
- Comfortable to use even with children and patients in wheelchair, due to the flexible height range of between 120 - 208 cm.
- Experience easy workflow, as ZEISS i.Terminal 2 can be fully integrated into your Patient Management System via ZEISS VISUCONSULT 500.

Technical data
Mains voltage: 100 V to 240 V AC
Supply frequency: 50 Hz to 60 Hz
Mains fuses F1, F2: T2.0A/E 250V 5x20 IEC 60127-2/3
Protection class: I / Overvoltage category: II / Pollution degree: II
Laser class: I according to CFR and IEC 60825-1
Ambient conditions for intended use: - Temperature:+10°C to +40°C - Rel. humidity: 30%...85% (no condensation) - Max. height (MSL):2000 m
Transport and storage conditions (in original packaging): - Temperature:-40°C to +70°C - Rel. humidity:10%...85% (no condensation) - Max. height (MSL):2000 m

Physical data
Dimensions base: 60 cm x 60 cm
Instrument (height x width x depth): 1250–2100 mm x 600 mm x 600 mm
Weight: approx. 47 kg / Min. ceiling height: 2.1 m
Range of movement: - Minimum eye height: 110 cm (corresponds to approx. 120 cm body height) - Maximum eye height: 195 cm (corresponds to approx. 208 cm body height) - Lifting range: 85 cm

CLICK to learn more about VISUCONSULT 500 + ZEISS Server

* Used together with i.Terminal 2 Station
** PATENT: E P1704437 B1

ZEISS i.Terminal mobile

Mobile digital centration solution

Seeing beyond

ZEISS i.Terminal mobile is a **mobile digital centration solution** providing easy image capture via iPad®, intuitive handling and fast centration results. It is especially convenient for small stores with limited space for a stationary solution.

ZEISS i.Terminal mobile brings flexibility, simplicity and efficiency to your practice - for a satisfying patient experience. The digital centration solution can be fully integrated into your Patient Management System via ZEISS VISUCONSULT 500.

FEATURES & BENEFITS

- Enjoy a quick and simple usage thanks to automatic face recognition.
- Capture centration images quickly and intuitively - without any additional iPad accessories such as a camera or flash.
- Measure all necessary fitting parameters directly on the iPad® with just a few clicks.
- Avoid unwanted vergences thanks to vergence compensation technology.
- Experience an easy workflow as ZEISS i.Terminal mobile can be fully integrated into your Patient Management System via ZEISS VISUCONSULT 500.

Technical data

Patient distance from device:30 to 50 cm
Acquisition method: iSight camera of iPad, Clip-frame
System requirements: iPad Air 2/3,iPad 5th, 6th, 7th and 8th generation with iOS 13 or higher
Connectivity: - full integration with i.Com mobile - Connection via VISUCONSULT 500 - WiFi necessary

CLICK to learn more about VISUCONSULT 500 + ZEISS Server

ZEISS Slit Lamps

Proven quality for optical performance

Seeing beyond

ZEISS SL Imaging Solution
The imaging systems for the ZEISS Slit Lamps family

ZEISS SL 800 - LED / Halogen Vario Light
5 magnifications, Tower type.

ZEISS SL 130 - Halogen,
5 magnifications, Integrated type

ZEISS SL 220 - LED
3 or 5 magnifications, Tower type

ZEISS SL 120 - Halogen,
5 magnifications, Integrated type

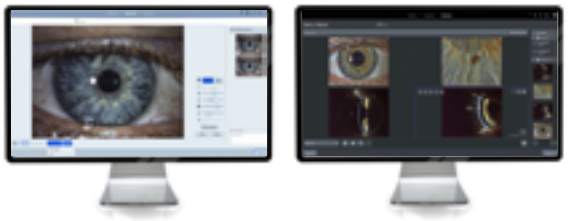
ZEISS SL 115 Classic - Halogen,
3 magnifications, Integrated type

ZEISS SL IMAGING SOLUTION

The imaging systems for the ZEISS Slit Lamps family

Seeing beyond

CLICK to learn more
about SL cam compact for ZEISS Slit lamps



- CLICK to learn more about SL 800
- CLICK to learn more about SL 130
- CLICK to learn more about SL 220
- CLICK to learn more about SL 120
- CLICK to learn more about SL 115 Classic

The intuitive SL Imaging Solution (consisting of **SL cam compact 18MP & SL Imaging Software**) from ZEISS takes your everyday slit lamp exams to the next level by adding the integration of high-quality image and video capture to exam reports. This all-round imaging solution features a modular concept, giving you the option to add slit lamp imaging seamlessly into your workflow.

FEATURES & BENEFITS

- Camera for up to 18 MP resolution (4,912 x 3,680 pixels).
- True-to-life color: capture as seen through the slit lamp.
- Live view without latency: broadcast a live image on screen at 40 fps.
- Capture images while simultaneously recording a video.
- Compare recordings with the Flicker feature.
- Camera Profiles: select a predefined settings profile, such as for slit images, or define your own individual profiles.
- Quick Edit: Edit and adjust camera settings, including white balance, in live mode and edit stored images and videos.
- Instant Preview: Review image quality immediately after capture.
- Dark Theme: In combination with the illumination of the panel PC, working in a dark environment is convenient.

*IN COMBINATION WITH THE ZEISS SL 800 SLIT LAMP

- Capture live exam images with the simple click of a joystick trigger or button*.
- Automatic OD/OS Eye Detection*.
- Monitor the magnification level and defined camera parameters*.

SL cam compact
Sensor size 18 MP (4,912 x 3,680 pixels)
Camera resolution: - 5 MP (2,592 x 1,944 pixels) with approx. 40 fps (best) - 18 MP (4,912 x 3,680 pixels) with approx. 15 fps (high)
Interface USB 3.0
Dimensions (W x H x D); weight - for SL 115 Classic: 75 mm x 65 mm x 35 mm; 0.40 kg - for SL 120/130: 77 mm x 67 mm x 53 mm; 0.53 kg - for SL 220: 70 mm x 45 x 70 mm; 0.43 kg - for SL 800: 80 mm x 130 x 55 mm; 0.45 kg

SL Imaging Software - Technical hardware requirements
Hard disc Min. 250 GB / RAM Min. 16 GB
Interface: - Min. 1x USB 3.0 (for SL cam compact) - Min. 1x USB 2.0 or higher (for ZEISS SL 800 only)
Monitor resolution Min. 1,024 x 768 pixels
Operating system Windows 10 (x64)*
Data export formats JPEG (image) / MP4 (video) / PDF (report) / DICOM (data transfer into FORUM/PMS)

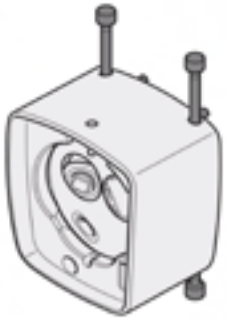
SL Workstation - 22" Touch screen monitor including: PC mouse, PC keyboard
Dimensions (W x H x D) 546 mm x 351 mm x 66 mm
Weight approx. 8 kg
Monitor resolution 1,920 x 1,080 pixels LCD touch screen
Processor Intel® CoreTM i5 Quad Core Processor
Hard disc 2 TB HDD / RAM 16 GB
Interfaces: 4x USB 3.0 / 2x Isolated Gigabit Ethernet Port / 2x RS-232 / 1x HDMI and DisplayPort

ZEISS SL cam compact

Image capture modules for ZEISS Slit Lamps

Seeing beyond

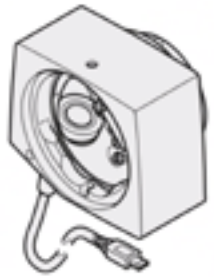
MODULE FOR SL 800

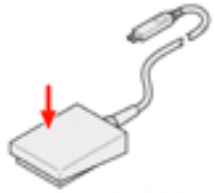


INCLUDING
Adaptor to
Joystick SL 800

OPTIONAL
Widefield illumination
with variable intensity for SL 800

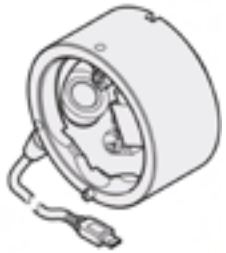
MODULE FOR SL 130/120





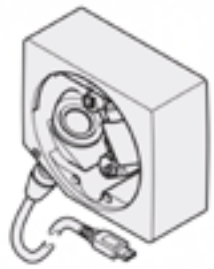
OPTIONAL
Foot switch for
SL 130 / 220 / 120 / 115

MODULE FOR SL 220



OPTIONAL
Widefield illumination for
SL 130 / 220 / 120 / 115

MODULE FOR SL 115 CLASSIC



Content

SL cam compact / ZEISS SL Imaging Software
Camera connector cable / Assembling tools

Resolution

Sensor size: 18 MP (4.912 × 3.680 pixel)

High 18 MP (4912 x 3680 pixel) at around 15 fps

Low 5 MP (2592 x 1944 pixel) at around 40 fps

Dimensions (W × H × D) and weight

SL 800: 80 × 130 × 55 mm; 0,45 kg

SL 120/130: 77 × 67 × 53 mm; 0,53 kg

SL 220: 70 × 45 × 70 mm; 0,43 kg

SL 115 Classic: 75 × 65 × 35 mm; 0,40 kg

Electrical data

Voltage: 5 V DC / Abs. Max. 2,5 W / Protection type IP 20

CLICK to learn more
about SL IMAGING SOLUTIONS

CLICK to learn more about SL 800
CLICK to learn more about SL 130
CLICK to learn more about SL 220
CLICK to learn more about SL 120
CLICK to learn more about SL 115 Classic

ZEISS SL 800

The premium ZEISS Slit Lamp

Seeing beyond

SL Imaging Software

With perfectly balanced ZEISS optics, **extensive illumination options** and a user-friendly operator concept directly at your fingertips, the SL 800 from ZEISS reveals details for exams and optimizes your workflow. Furthermore, the modularity and the wide range of optional components and accessories adapt to your individual needs whenever necessary.

ADVANCED FEATURES

1. **TrueView Optics:** Larger ZEISS lenses enable a better light-throughput. And in combination with the anti-reflex coating, they provide a high-definition image in true-to life color with high contrast - even in 40x super magnification.
2. **VarioLight:** you can now select your preferred examination light - cold-white or warm-white. This allows you to gain a sharper and clearer image, as well as a more natural fundus impression.
3. **AutoView (Optional):** you can easily change magnification with the motorized two-button mechanism.
4. **QuickStop (Optional):** The optional electronic QuickStop brake is also activated without the need to release the joystick.
5. **EcoMode:** The intelligent stand-by EcoMode saves energy by shutting down automatically when not in use.

The **optional ZEISS SL Imaging Solution** enables convenient capturing of high-quality images and videos for documentation. Combine the SL Imaging Software with the SL cam compact.

CLICK to learn more about SL cam compact

Technical data

Magnification 6x/10x/16x/25x/40x, with 10x eyepiece, compensation of ametropia ±8 dpt
Interpupillary distance: - Convergent tube 50 – 8 4 mm; - Parallel tube 52 – 78 mm
Light source: LED
Slit illumination: VarioLight cold-white, VarioLight warm-white
Filters Red, blue, green (red-free), diffusor
Slit width: Continuously 0 – 12 mm
Slit length: Continuously 0 – 12 mm with scale index; variable in steps 0.2/1/3/5/9/12 mm
Slit diameter: 0.2/1/3/5/9/12 mm
Slit rotation: Continuously 0° – 180°; click stop at 45°/90°/135°
Slit decentration (horizontal): Available; fixable at 0°
Slit inclination (vertical): 0°/5°/10°/15°/20°
Swivel range of slit projector: 180° with scale; click stop at 0°/±45°/±60°
Operation: - Control panel with joystick, brightness control; - Controls for AutoView & QuickStop (optional)
Adjusting range: 110 mm (side), 30 mm (height), 110 mm (length)
Weight: 12 kg (incl. headrest)
Dimensions (W x H x D): 315 mm x 655 mm ± 15 mm x 395 mm
Power supply: 100 – 240 V AC, 50/60 Hz

Accessories for ZEISS SL 800

Tonometry: applanation tonometer AT 030
Fundus observation: Fundus VarioView, mirror (short)
Other: Tube adapter 20°, yellow filter-aperture module, 10x eyepiece with scales, beam splitter 50/50, co-observation tube, fixation light, breath shield, paper pads for chinrest

ZEISS SL 130

ZEISS Slit Lamp

Seeing beyond

SL Imaging Software

The ZEISS SL 130 **halogen integrated slit lamp**, is the instrument of choice for eye care professionals requiring a slit lamp with premium optical quality and high-precision engineering to perform the complete range of eye care procedures.

OPTICS

- Crisp, high-resolution images offering a wealth of information.
- Large illuminated field of view enables white-to-white observation at a glance.
- Stereo microscope with 5-step magnification for observation from overview to detail.
- Tiltable prism head to reduce reflections during contact lens examinations.

FEATURES

- Highly accurate and intuitive system operation for precise length, width and rotated slit image adjustments.
- Optional ACCENTO® ergo tube from ZEISS supports comfortable working positions and prevents neck and back strain.
- Choice of parallel or convergent tube for personal working preferences.

The **optional ZEISS SL Imaging Solution** enables convenient capturing of high-quality images and videos for documentation. Combine the SL Imaging Software with the SL cam compact.

CLICK to learn more about SL cam compact

Technical data

Magnification: - 5x, 8x, 12x, 20x, 32x with 10x eyepieces - 6x, 10x, 16x, 25x, 40x with 12.5x eyepieces
Field of view: - diameter 40 … 6 mm with 10x eyepieces - 31 … 5 mm with 12.5x eyepieces
Eyepiece magnification: Optionally 10x or 12.5x super high-eyepoint eyepieces, compensation of ametropia ±8 D
Width of slit image: Continuous from 0 to 14 mm; display 1 / 2 / 5 / 10 mm
Length of slit image: In steps 0.3 / 2.5 / 3.5 / 7 / 10 / 14 mm; triple slit
Rotation of slit image: Continuous ±90°
Decentration of slit image: ±4° horizontally, click stop at 0°
Swivel range of slit projector: 180°, scale for angular difference; click stops at –10° / 0° / +10°
Angle of incidence: 0° … 20° tiltable
Filters: Blue, green (red-free), grey, swing-in; heat-reflecting filter, permanently integrated; diffusing screen, swing-in
Free working distance exit prism/patient's eye: 66 mm / 2.6 in
Travel of instrument: base 30 mm (vertical), 1.2 in (vertical), 110 mm (lateral), 4.3 in (lateral), 90 mm (axial), 3.5 in (axial)
Vertical travel of headrest: 59 mm, 2.3 in
Projection illumination: 6 V / 20 W halogen lamp
Brightness: Continuously adjustable
Rated voltage: 100 … 240 V ±10%, self-sensing, 50 / 60 Hz
Weight: Basic instrument 9.85 kg (21.72 lbs); headrest 1.25 kg (2.76 lbs)
Dimensions of basic instrument (W x H x D): 300 mm x 430 mm x 355 mm / 11.8 in x 16.9 in x 13.9 in

ZEISS SL 220

ZEISS Slit Lamp

Seeing beyond

SL Imaging Software

Complementing the ZEISS slit lamp portfolio, the ZEISS SL 220 delivers flexible performance throughout the day. Featuring the popular **tower concept with LED illumination**, it is a solid investment for years of use. Superb optical and mechanical qualities that one has come to expect from ZEISS, convenient operation as well as detailed, contrast-rich images support fast, precise eye examinations. Wide-ranging accessories allow for individual setup to suit your preferences.

OPTICS

- Latest LED technology for instant, stable illumination.
- 22 mm stereo base and large field with fully rotatable 12 mm slit for superb view of the entire anterior segment.
- High-contrast, high-resolution slit images of exceptional detail for fast, reliable examinations.

FEATURE

- Popular user interface with LED illumination for convenient, intuitive operation.
- Joystick, quick action brake and easy grip controls for precise slit adjustments.
- Choice of 3 or 5 magnification steps for observation from overview to detail.
- Optional parallel or convergent tube to support your workflow preferences.

The **optional ZEISS SL Imaging Solution** enables convenient capturing of high-quality images and videos for documentation. Combine the SL Imaging Software with the SL cam compact.

Technical data

Magnification: - 5-step: 6x / 10x / 16x / 25x / 40x - 3-step: 10x / 16x / 25x
Field of view - 5-step magnification: 41 mm to 5.7 mm - 3-step magnification: 26.5 mm to 8.7 mm
Eyepiece magnification: 12.5x, compensation of ametropia ±8 D
Width of slit image: Continuous from 0 to 12 mm
Length of slit image: Variable in steps of 0.2 / 1 / 3 / 5 / 9 / 12 mm, continuous 1 to 12 mm with scale indication
Rotation of slit image Continuous ±90°
Decentration of slit image ±4° horizontally, fixated at 0°
Swivel range of slit projector: 180°, scale for angular difference; click stops at -10° / 0° / +10°
Angle of incidence: Variable in steps of 0° / 5° / 10° / 15° / 20°
Filters Blue, green (red-free), grey, red, swing-in; diffusing screen, swing-in; barrier filter yellow, swing-in
Free working distance exit mirror/patient's eye: 88 mm
Travel of instrument: base 30 mm (vertical), 1.2 in (vertical), 110 mm (lateral), 4.3 in (lateral), 90 mm (axial), 3.5 in (axial)
Vertical travel of headrest: 59 mm, 2.3 in
Projection illumination: 15 V, LED
Brightness: Continuously adjustable
Rated voltage: 100 … 240 V ±10%, 50 / 60 Hz
Weight: 12.5 kg / 27.55 lbs (instrument including headrest)
Dimensions of basic instrument (W x H x D): 300 mm x 705 mm (±15 mm) x 355 mm 11.8 in x 27.7 in (±0.6 in) x 13.9 in

CLICK to learn more about SL cam compact

ZEISS SL 120

ZEISS Slit Lamp

Seeing beyond

SL Imaging Software

Operational convenience as well as outstanding optical and mechanical performance make the ZEISS SL 120 **halogen integrated slit lamp** a powerful all-rounder with great application flexibility. This highly durable and reliable instrument provides detailed, high-contrast images for accurate and efficient eye examination – all day, every day. It can be easily upgraded to support additional applications.

OPTICS

- Excellent optical transmission with high-resolution, high-contrast images for all eye examinations.
- Large 14 mm illuminated field for observation of the entire anterior segment.
- Stereo microscope with 5 magnification steps for convenient observation from overview to detail.

FEATURES

- Single-handed operation and ergonomic design support a comfortable body posture throughout the procedure.
- Intuitive, precise joystick operation, fast-action brake and easy-grip controls.
- Choice of parallel or convergent tube.
- Optional tiltable prism head to reduce reflections during contact lens examinations.

The **optional ZEISS SL Imaging Solution** enables convenient capturing of high-quality images and videos for documentation. Combine the SL Imaging Software with the SL cam compact.

CLICK to learn more about SL cam compact

Technical data

Magnification: - 5x, 8x, 12x, 20x, 32x with 10x eyepieces - 6x, 10x, 16x, 25x, 40x with 12.5x eyepieces
Field of view diameter: - 40 … 6 mm with 10x eyepieces - 31 … 5 mm with 12.5x eyepieces
Eyepiece magnification: Optionally 10x or 12.5x super high-eyepoint eyepieces, compensation of ametropia ±8 D
Width of slit image: Continuous from 0 to 14 mm
Length of slit image: In steps 0.3 / 3.5 / 8 / 14 mm; continuous 1 … 6 mm
Rotation of slit image: Continuous ±90°
Decentration of slit image: ±4° horizontally, click stop at 0°
Swivel range of slit projector: 180°, scale for angular difference; click stops at –10° / 0° / +10°
Angle of incidence: 0°; 0° … 20° tiltable with tiltable prism head*
Filters Blue, green (red-free), swing-in; heat-reflecting filter, permanently integrated; diffusing screen, swing-in
Free working distance exit prism/patient's eye: 65 mm, 2.5 in
Travel of instrument: base 30 mm (vertical), 1.2 in (vertical), 110 mm (lateral), 4.3 in (lateral), 90 mm (axial), 3.5 in (axial)
Vertical travel of headrest: 59 mm, 2.3 in
Projection illumination: 6 V / 20 W halogen lamp
Brightness: Continuously adjustable
Rated voltage: 100 … 240 V ±10%, self-sensing, 50 / 60 Hz
Weight: Basic instrument 9.75 kg (21.49 lbs); headrest 1.25 kg (2.76 lbs)
Dimensions of basic instrument (W x H x D): 300 mm x 430 mm x 355 mm / 11.8 in x 16.9 in x 13.9 in

ZEISS SL 115 Classic

The classic ZEISS Slit Lamp

Seeing beyond

SL Imaging Software

A straightforward instrument focused strictly on the essentials – the ZEISS SL 115 Classic **halogen integrated slit lamp** delivers outstanding optical and mechanical performance and combines affordability, superb precision and reliability. Its convenient, single-handed, practice-oriented operation can be further enhanced with an integrated imaging solution as well as other optional accessories to support additional applications.

OPTICS

- Large illuminated field with fully rotatable 14 mm slit for superb view of the entire anterior segment.
- Slit images with high-contrast resolution and exceptional detail for reliable examinations and contact lens fittings.
- 3 magnification levels for precise observation from overview to detail.

FEATURES

- Auto-sensing power supply and immediate plug-and-play readiness.
- Integrated swing-in yellow filter for fluorescence examinations.
- Single hand operation for precise slit adjustments.
- Integrated filters for increased contrast, red-free observation and fluorescence.
- Compact, practice-oriented design for short working distances and easy access to the patient's eye.

The **optional ZEISS SL Imaging Solution** enables convenient capturing of high-quality images and videos for documentation. Combine the SL Imaging Software with the SL cam compact.

Technical data

Magnification: 8x, 12x, 20x with 10x eyepieces
Field of view: diameter 25 … 10 mm
Eyepiece magnification: Super high-eyepoint eyepieces 10x compensation of ametropia ±8 D
Width of slit image: Continuous from 0 to 14 mm
Length of slit image: In steps 0.5 / 3.5 / 8 / 14 mm; continuous 1 … 14 mm
Rotation of slit image: Continuous ±90°
Decentration of slit image: ±4° horizontally, click stop at 0°
Swivel range of slit projector: 180°, scale for angular difference; click stop at 0°
Angle of incidence: 0°
Filters Blue, green (red-free), swing-in; heat-reflecting filter, permanently integrated; diffusing screen, swing-in; barrier filter (yellow)
Free working distance exit prism / patient's eye: 73 mm / 2.9 in
Travel of instrument: base 30 mm (vertical), 1.2 in (vertical), 110 mm (lateral), 4.3 in (lateral), 90 mm (axial), 3.5 in (axial)
Vertical travel of headrest: 59 mm / 2.3 in
Projection illumination: 6 V / 10 W halogen lamp
Brightness: Continuously adjustable
Rated voltage: 100 … 240 V ±10%, self-sensing, 50 / 60 Hz
Weight: Basic instrument 9.75 kg (21.49 lbs); headrest 1.25 kg (2.76 lbs)
Dimensions of basic instrument (W x H x D): 300 mm x 430 mm x 355 mm / 11.8 in x 16.9 in x 13.9 in

CLICK to learn more about SL cam compact

CONTACT US

ZEISS Vision Technology Solutions

Seeing beyond

SERVICE BEYOND YOUR EXPECTATIONS
We understand your challenges and do not only support you with innovative lens solutions and optical equipment but also with comprehensive services that are available 24/7. We want to ensure that you and your team are fully equipped with the right tools and skills, ensuring cost-efficient processes, easy purchasing and an unparalleled reputation.

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VISUFIT 1000*	CZV	
VISUCONSULT 500	CZV	
VISUPLAN 500*	CZM	CZV
VISUSCOUT 100**	OO	CZV
i.Profiler *plus**	CZV	
VISUREF 150*	CZM	CZV
VISUPHOR 500	CZM	CZV
VISUSCREEN 100/500	CZV	
i.Terminal 2 Station	CZV	
i.Terminal 2*	CZV	
i.Terminal mobile*	CZV	
ZEISS Slit Lamps	CZM	CZV
VISULENS 550	CZM	CZV
VISU360	CZV	

Product | ZEISS non-Medical Device	Legal manufacturer	Legal distributor
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