

Boosting efficiency.



ZEISS EXTARO 300

zeiss.com/ent/extaro



Seeing beyond

Streamline visibility

to save valuable time during surgical procedures

Experience breakthrough visualization capabilities combined with an optimized workflow when using EXTARO® 300 from ZEISS for tympanoplasty, myringotomy, stapedectomy, mastoidectomy, and transoral laser surgery.

Thanks to the ZEISS EXTARO 300, you can recognize precise anatomical structures and identify fine details, allowing you to make better decisions. The intuitive functionalities minimize interruptions and maximize your focus on the surgery. Innovative data management solutions enable you to capture photos and record videos of every treatment in 4K image quality, organized according to your surgical needs.

The ZEISS EXTARO 300 allows you to save valuable time before, during, and after each surgical intervention – and focus on what matters most: your patients.



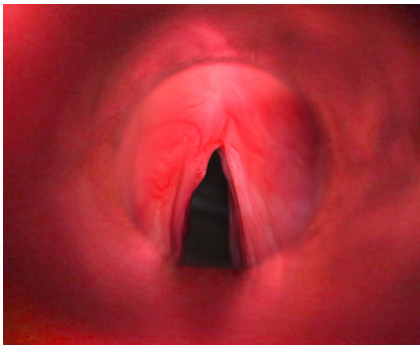
Enhanced Visualization

with integrated capabilities for a clear view

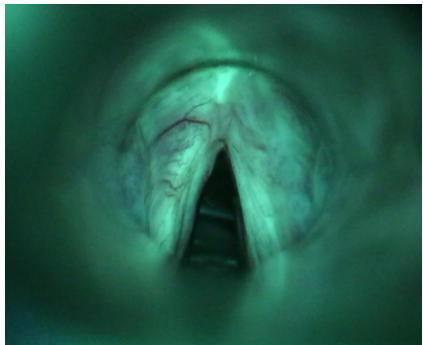
Low-color contrast often makes it difficult to recognize critical anatomical structures. The **MultiSpectral Mode** of ZEISS EXTARO 300 enhances this contrast, e.g. to better distinguish between vasculature and tissue. Sometimes light reflections complicate the surgical procedure. The **NoGlare Mode** suppresses these obtrusive reflections, allowing for a faster and more detailed distinction of anatomical details and artificial implants.

During procedures and examinations, the camera assists in sharing the treatment in **4K resolution**. Crystal-clear photos and videos can be displayed live on an external monitor, enabling real-time observation.

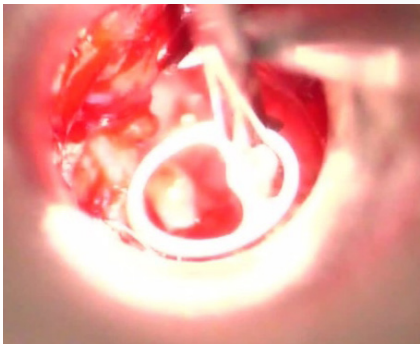
Visualization advanced.



Vocal cords under white light



Vocal cords under **MultiSpectral Mode**



Stapedectomy under white light



Stapedectomy under **NoGlare Mode**



Simplified Handling

with easy-to-use interactions

Any adjustment or repositioning of the surgical microscope can greatly disturb focus and cost you valuable time.

The **Mode Control** button of ZEISS EXTARO 300 allows you to activate all visualization modes and camera functionalities without taking your eyes off the surgical field. Additionally, the **foot control panel** facilitates effortless documentation of treatments. It enables you to capture images or start recordings while staying focused during complex procedures and maintaining your preferred ergonomic posture.

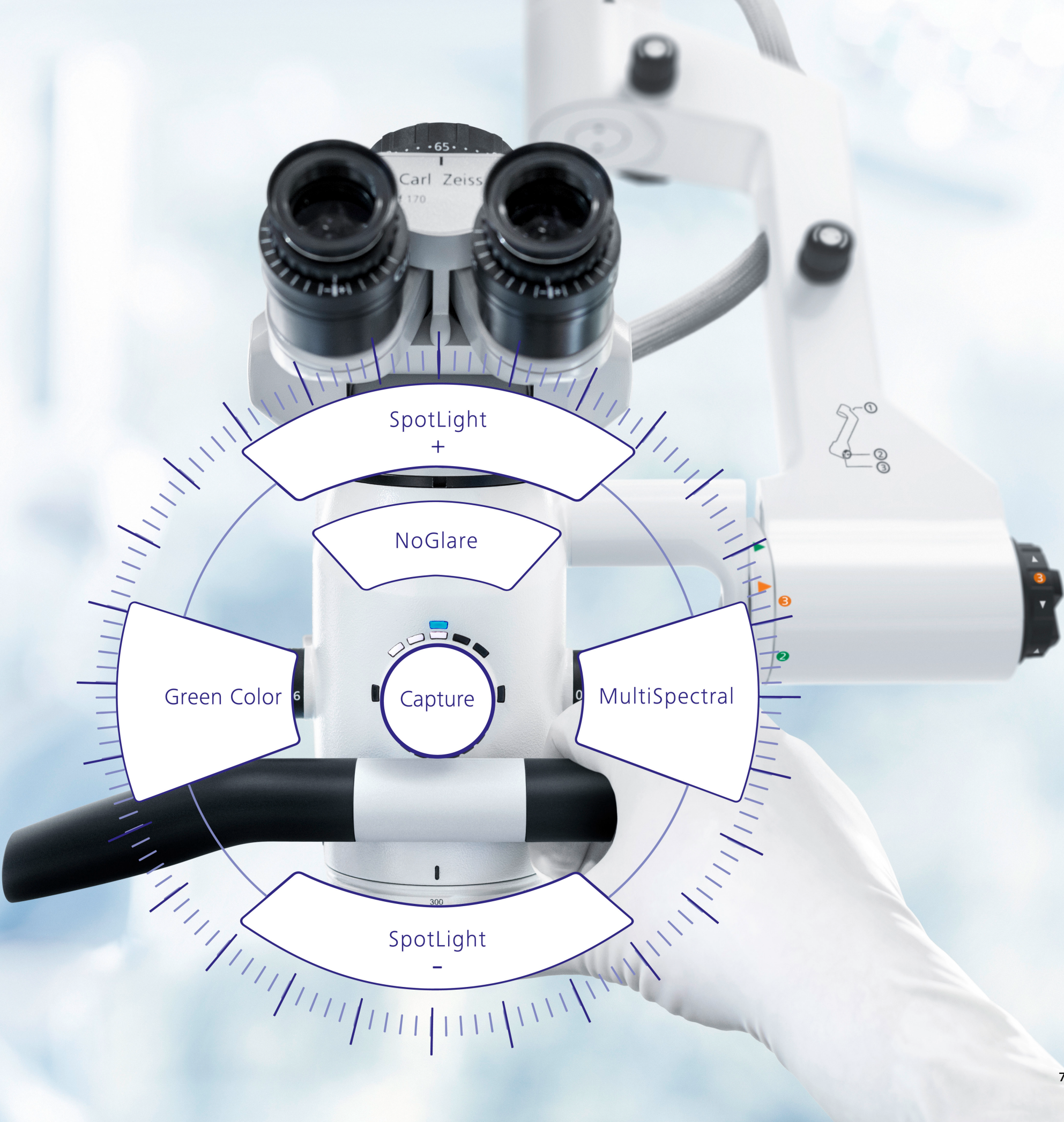
And if that's not enough, the **Varioskop® 230** can be operated with just one finger. Effortlessly set the field of view and focus over a wide working range of 200 to 430 mm.

Thanks to ZEISS EXTARO 300, you can perform procedures with maximum focus and efficiency.

Best in class.



Foot control panel



Digital Data Management

with smart solutions

High patient throughput and the associated documentation can be tedious when collecting, organizing, and storing procedure-related images and videos in **4K image quality**. ZEISS digital solutions offer an easy and efficient pathway to data management and facilitate professional **peer collaboration** and **education**.

Web-based apps

Efficiently manage your data and peer collaboration

ZEISS Surgical Cloud directly synchronizes recorded images and videos in 4K including patient and treatment information with your ZEISS EXTARO 300 and allows you to manage them easily. It supports you to enhance your professional collaboration and extend your network by remote sharing of large files and knowledge with your peers.



Educate and present in real time to a bigger audience

ZEISS Livestream allows you to schedule a live surgery or treatment and send out invitation links to participants in advance. On the day of the live event, your participants can watch the procedure via the secure web link with just a few clicks.



iOS-based apps

Connect iPad to ZEISS EXTARO 300

ZEISS Connect manages your treatment data efficiently with dedicated functionalities to integrate the ZEISS EXTARO 300 into your existing office IT infrastructure. It allows you to easily visualize, organize and archive photos and videos from your surgical cases.



Stream in real time on an iPhone

With **ZEISS Observe**, students and guests can easily follow the treatment without advanced equipment. For a 3D immersive VR experience any VR headset can be used.



ZEISS EXTARO 300

Functionalities at a glance

In 1953, the first ZEISS surgical microscope was developed specially for ENT surgeons. Since then, ZEISS has redefined and set high industry standards – ZEISS EXTARO 300 is continuing this legacy.



Innovative visualization: MultiSpectral Mode increases tissue contrast, while NoGlare Mode suppresses light reflections. Complemented by an integrated 4K camera, this setup enables detailed visualization and recording of anatomical structures during ENT procedures and examinations. The captured imagery facilitates case documentation and debriefing.
Visualization advanced.



Control interface: Single-handed operation of all visualization and recording modes via Mode Control. Image capture is also possible using the foot control panel.
System control activated.



Laser package: Easy adaptation of surgical laser possible, including innovative microscope focus lock and external focus slider.
Compatibility achieved.



ZEISS Varioskop® 230: Focus over a working distance of 200 to 430 mm with just one finger.
Always in focus.

Balancing system: Three simple steps for a perfectly balanced system.
Easy as 1-2-3.

LED: Integrated maintenance-free LED light source.
Built to last.



Customer Care from ZEISS

Optimizing your operation

To efficiently deliver good surgical outcomes for your patients, you rely on the availability of your medical equipment when you need it. For maximum system uptime and convenience, you might want to consider a service agreement for your ZEISS EXTARO 300. Depending on the service package you choose, OPTIME service agreements from ZEISS cover preventive maintenance, corrective maintenance, and spare parts.

Different financing options are also available. These ZEISS Financial Solutions allow you to acquire ZEISS technology developed specially for your individual needs.

No matter which ZEISS services you choose, we are committed to helping you optimize your business in every respect.



Technical Data

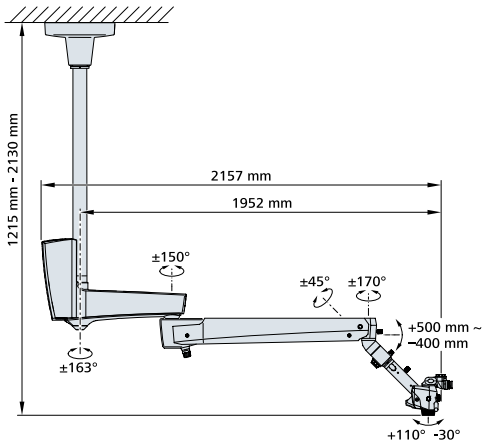
EXTARO® 300 from ZEISS

		Packages	Pure Efficiency	Augmented Vis.	Premium
Magnification	5-step magnification changer		●	●	●
Focus	Varioskop 230, working distance adjustable from 200 to 430 mm		●	●	●
Illumination	TriLED provides natural colored light at high intensities		●	-	-
	TriLED with LightBoost providing Xenon-like intensities¹	□	●	●	
User interface	Adjustable handgrip, mode control, and single finger adjustable illumination, focus and SpotLight (mororized aperture control)		●	●	●
	Foot Control Panel (Rocker-Switch)	□	□	□	
Tube	Straight binocular tube	○	○	○	
	180° tiltable tube	○	○	○	
	Foldable tube f170/f260	○	○	○	
Eyepieces	10x wide-field eyepieces	○	○	○	
	12.5x wide-field eyepieces	○	○	○	
Enhanced Visualization	Augmented Visualization Kit includes GreenColor Mode and enables: MultiSpectral Mode		-	●	●
	NoGlare Mode		-	□	□
	NoGlare Mode		-	□	□
	MultiSpectral Mode		-	□	□
Documentation and Communication	Essential: Integrated camera with recording on USB; HDMI output; choose between HD or 4K resolution	□	□	-	
	Digital Data Management: Integrated 4K camera with recording on USB or wireless recording to the ZEISS Connect App; network integration available for archiving purposes; HDMI output		-	-	●
	Web-based apps	ZEISS Surgical Cloud preparation	□²	□²	□
		ZEISS Livestream preparation	□²	□²	□
	iOS-based apps	ZEISS Connect App – manage your treatment data efficiently	-	-	●
		ZEISS Observe – stream in real time on an iPhone	-	-	●
	DICOM		-	-	□
	Adapter for digital cameras (Full-frame or APS-C)	□	□	□	
Co-observation	Stereo co-observation package with straight tube, incl. beamsplitter	□	□	□	
	and TriLED with LightBoost providing Xenon-like intensities	□	□	□	
Laser adaption	10x eyepieces	□	□	□	
	12,5x eyepieces	□	□	□	
Laser adaption	Laser package contains:				
	- adapter for laser micromanipulator	□	□	□	
	- microscope focus lock				
Asepsis	- external focus slider that allows to jointly move microscope and laser focus point				
	Asepsis starter kit	□	□	□	
	Drape starter kit	□	□	□	

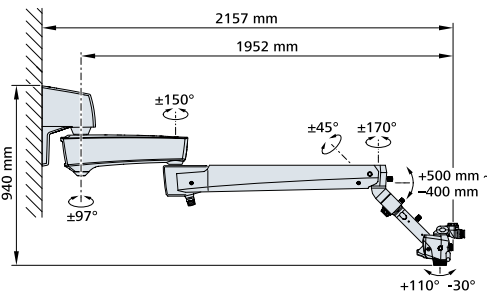
● Basic ○ Configurable □ Option

Suspension system options³

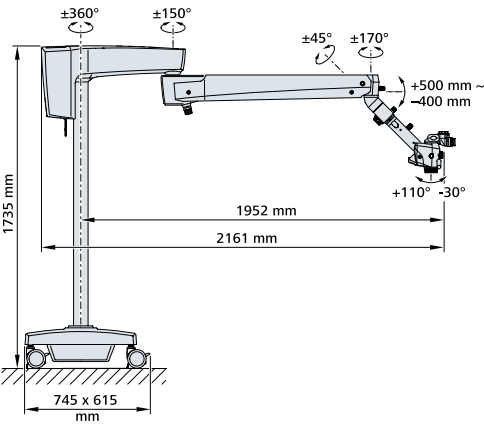
Ceiling mount



Wall mount



Floor stand



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Images courtesy of Mary Daval, MD, Hôpital Fondation Adolphe de Rothschild, Paris, France (Page 9)

¹ Carl Zeiss Meditec AG internal data on file, not published.

² Available in combination with integrated camera only.

³ All data is measured internally with possible deviation due to different measuring method or tool.

For specifications see user manual.



EXTARO 300



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ZEISS Connect



**Legal manufacturer of
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**ZEISS Surgical Cloud
ZEISS Livestream**

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**Physical manufacturer of
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