

Technical Parameters and Configuration

		C-CLEAR-2 (Ultimate Edition)	C-CLEAR-1 (Standard Edition)
Optical System	Apochromatic optical system	●	●
Zoom System	5-speed zoom host	●	●
	Five-level magnification: 3.2x, 5x, 8x, 12.8x, 20x	●	●
Eyepiece Lens	12.5x wide-angle eyepiece Magnetic adsorption insertion Diopter correction adjustment range:+6~-6D Adjustable height eye cup, suitable for operators with glasses	●	●
Binocular Tube	0-180° tilt angle adjustable binocular tube,f=170mm interpupillary distance adjustment range:55mm-75mm	●	●
Objective Lens	Large zoom objective lens,working distance:200-300mm	●	Optional
	0-15mm fine-turning large objective lens,f=250mm	✗	●
Illumination system	LED bulb, adjustable brightness, center illumination is more than 30000-50000lux,display index >90%	●	●
Handle	Standard bilateral handle, 360° adjustable	●	●
Digital imaging	Optical splitter	●	Optional
	Digital camera tube	●	Optional
	Canon SLR digital camera	●	Optional
	Wireless camera system	●	Optional
	HD display	●	Optional
	HD data cable (built-in)	●	Optional
Binocular Tube	Luxury display stand	●	Optional
	High quality imported mute medical mobile base casters, four wheels can be locked	●	●
	Luxury floor stand	●	●
	Integrated design, built-in cable	●	●
	Base size:800X800mm	●	●



COXO
Professional Dental Manufacturer
SINCE 2003

See more clearly,do more finely

**PROFESSIONAL SURGICAL
MICROSCOPE**

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Know you better Feel different

Omnibearing details presentation

The surgical microscope from COXO uses an excellent apochromatic optical system. The color rendition is more realistic. The German imported optical system, the wide-angle eyepiece, the continuous zoom objective lens, the 5-level magnification can recognize smaller details and fine structure, and comprehensively enhance your diagnosis and treatment.

Humanized engineering design

Compact design, excellent performance and simple operation are the main features of the COXO surgical microscope. During your treatment, you can always maintain a comfortable working position and prevent back and shoulder strain, soreness, and more serious spinal problems.

Doctors and patients communicate more easily

The COXO imaging system can fully demonstrate the effects before, during and after clinical treatment. High-quality diagnostic graphics and images allow you to clearly show and explain treatments to patients.

New lighting concept

The high performance microscope is the perfect combination of superior optical quality and handling comfort. The lighting system with LED provides you with excellent lighting effects, shading control and filter options to meet your needs in different treatments.



Dental pulp disease treatment

Minute anatomical structures and details in the pulp chamber and root canal can be observed, and even apical morphology can be observed directly. The surgical microscope will make your vision clearer and the diagnosis clearer in cosmetic restoration of the teeth, conventional root canal treatment, complex treatment in the root canal, root canal retreatment or the apical surgery to improve the quality of treatment.



Oral repair treatment

The microscope helps to quickly check, find enamel and dentin cracks and adjacent gaps, precisely inspect and control the edge of the prepared body and the depth of preparation, and accurately prepare and bond the surface. The end result is to make your restorations more precise, accurate, and aesthetically pleasing, more in line with biological performance, and improve patient satisfaction.



Oral implant

High-precision inspection and implant treatment can be performed quickly and confidently, and important anatomical structures can be reliably inspected. Precision is our constant pursuit.



Periodontal disease treatment

Thanks to the effective support of soft tissue assessment and management, we can achieve wound healing more quickly, less scarring and better aesthetics.

See more Treat more

Using imported optical systems from Germany, it gives you a full range of details

More comfortable operation

The zoom objective working distance of COXO professional-grade surgical microscope is 200-300mm, and the zoom range is up to 100mm, covering almost all working distances required for oral treatment work. Simply adjust the zoom knob can easily achieve focusing at arbitrary positions without changing the position of the microscope or your seat position to make your job easier.



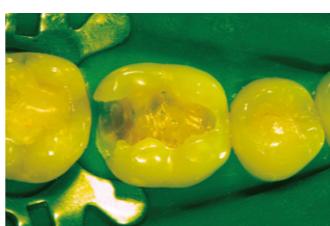
Greater vision and clarity

The microscope uses apochromatic optical system to correct the refraction of different wavelengths of red, green and blue visible light, ensuring no chromatic aberration. Multi-layer optical lens from Germany, multi-layer nano-optical coating, 5-speed magnification, makes it clear and acute in each multiple. Among them, the eyepiece uses a 12.5x wide-angle eyepiece to provide a large field of view and 3D stereo imaging. The diopter is +6~-6. The height of the eye cup is adjustable, and the operator wearing the glasses can work comfortably out of the glasses.



New lighting concept

Equipped the lighting system with LED to provide you with high-quality lighting, regardless of color resolution or color temperature is close to natural daylight, cost-effective, no maintenance. It produces less heat and less noise. You can also use the knob to control the light and darkness of the light, and you can also adjust the orange filter (which prevents the curing of the light-cured resin material and prolongs the operation time).



Better communication, more powerful persuasiveness

According to your requirements, you can choose to equip your device with an external HD camera system.

It is often difficult for patients to understand our diagnosis, treatment process and treatment outcomes. With clear pictures and video clips, your clinical concerns are more intuitive and clear when communicating with patients. A picture is worth a thousand words.

External HD camera system has original splitter, professional-grade SLR digital camera (including adapter), digital camera wireless shooting system, display.

Advantages of external HD camera system

- ① A full HD camera system: Sharp detail, high resolution images.
- ② The camera function: Take pictures at any time during treatment or switch to video recording mode.
- ③ Real-time video transmission system: continuous real-time video signal streaming, viewing through terminal devices.
- ④ Image data storage: Stored in an USB flash drive at any time, transmitted to a compatible management device of patient.
- ⑤ HDMI full digital output port
- ⑥ The foot switch: Take HD pictures at any time during surgery



Full HD 1080P Picture



HD video signal and static screenshot photos



An ergonomic breakthrough

While you are treating patients, we pay more attention to your own comfort. Back pain is almost the feeling you feel after working every day.

The COXO professional-grade operating microscope, with a zoom objective, makes it easy to focus anywhere without changing the position of the microscope or your seat position. The microscope has the design of adjustable distance eyepiece tube, 0-180° tilt angle adjustable binocular tube, overall left and right (0-60°) adjustable tilt design, gas spring imported from Germany, optimized mechanical structure swing arm and comfortable, angle adjustable handle design. Due to its wide range of telescopic characteristics, it can adapt to the operator's various angles and different demand of position.

While you are treating patients, enjoy the special work experience brought by COXO Medical, and the daily work becomes easier and more comfortable.

Improve comfort and improve working



More comfortable experience

The COXO professional surgical microscope zoom objective allows the user to easily adjust the focus without changing the sitting position or moving the lens. It is easy to operate and prevents long-term cervical and lumbar strain injuries.

More thoughtful details

360°adjustable handle,adjustable distance eyepiece,0-180° adjustable eyepiece tube, 0 - 60° left and right adjustable whole microscope makes your operation more casual and meet your individual needs.

Greater depth of field

By adjusting the Yussen zoom knob, you can achieve the focus adjustment in large distance, focusing on the entire oral range, or some local details on the visual axis. But there is no need to move the microscope.

Optimized mechanical structure

The Germany gas springs with optimized mechanical structure can help you move the COXO microscope to any working angle you need easily and accurately.

Welcome to your practice

When you see the COOXO surgical microscope, you see a stylish, smooth line, beauty shape, high-end microscope with a modern design that fits perfectly into the modern clinic.

The stylish exterior is full of superior optical quality, and you have upgraded to a higher level of clinical treatment, giving you a higher quality, more efficient work experience.

C-CLEAR-2(Ultimate Edition)

Full HD camera

1080P high-definition picture quality can manage picture efficient during surgery, and integrate your digital workflow for case management, and help communicate more patiently.

Built-in cable design

There are no more hanging cables to interfere with your work.

Optimized mechanical structure

The Germany gas springs with optimized mechanical structure can help you move the COOXO microscope to any working angle you need easily and accurately.



Intimate engineering design

The binocular tube is adjustable in the 0-180°tilt angle. The microscope has an adjustable tilt angle of 0-60°. The design can achieve comfortable upright sitting position. The cooperation between the microscope and the human eye is very simple.

Greater vision and clarity

Multi-layer optical lens from Germany, multi-layer nano-optical coating, 5-speed magnification eyepiece, among them, the eyepiece with 12.5x wide-angle can provide a large field of view and 3D stereo imaging. The diopter is +6~-6. It is suitable for operators with glasses.

Careful selection

High quality imported silent medical mobile base casters, four wheels can be locked.

Adjustable distance

Binocular tube distance can be adjusted to suit your position.

Comfort handle

Easy positioning, adjustable angle and comfortable feel.

Zoom objective lens

The working distance is 200-300mm and the zoom objective has a zoom range of up to 100mm.

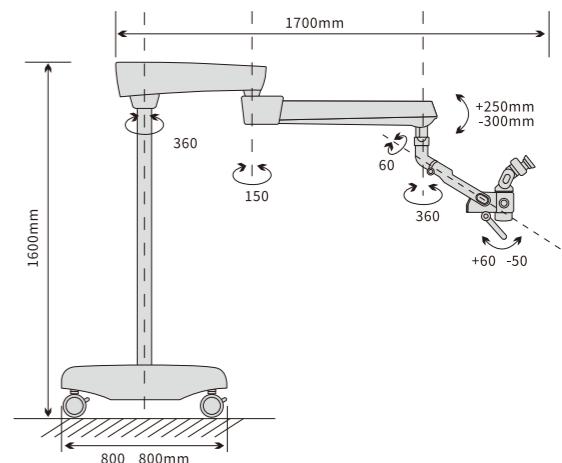
Quality and convenience in one

C-CLEAR-1 (Standard Edition)

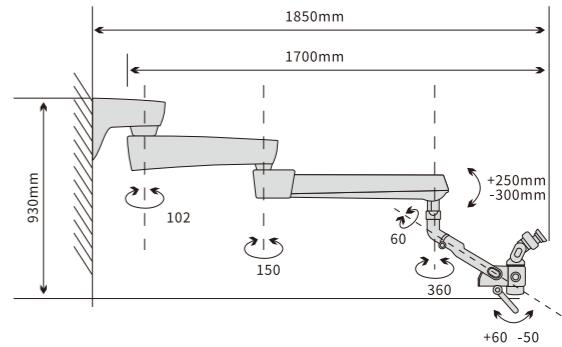


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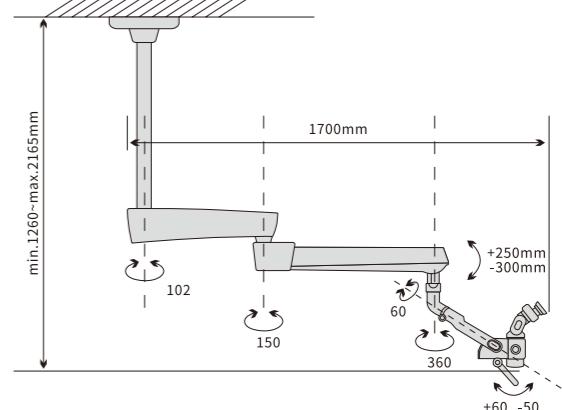
Floor-standing bracket



Wall bracket



Ceiling bracket



Electrical parameters

Rated voltage	100-240v
Electric current	1.5A
Frequency	50---60Hz
Electronic output	Surgical microscope Remote external signal jack up to 13V/3A