

Technical Parameters		
Model		SCM850
Optical system	Apochromatic optical system	●
Amplification system	Continuous zoom: amplification factor: 0.4~2.5	●
	Total magnification 1.6x~19x	
Binocular tube	0°~180° variable angle binocular tube with interpupillary distance adjustment mechanism, interpupillary distance adjustment range 55-75mm	●
	High eye point 12.5x wide-angle eyepiece, eyecup height adjustable, diopter compensation range ±7D	
Zoom system	Large zoom objective lens, variable working distance 195-450mm	●
Lighting system	Integrated true color LED lighting color temperature 5700K, color rendering index >90%, illumination >100000Lux	●
	Integrated orange filter, green filter, white spot size is adjustable in three sizes: large, medium and small	
External image System interface	Three-in-one beam splitter: 45° extender, pendulum system, beam splitter integration, split ratio 2:8 or 5:5	●
	Adjustable focus	●
	Canon, Sony mirrorless camera interface	
Bracket system	Host balance force adjustment device	●
	Balance arm balance force adjustment device	
	Balance arm: turning radius 735mm, ±330° rotation, up and down movement range (up/down) 600mm	
	Rotating arm: turning radius 508mm, ±330° rotation	
	Maximum net arm span: 1560 mm	
	Integrated base, 3-inch silent medical casters, base size: 590×590mm	
Appendix	Monitor Stand	●
	HD monitor	
	Camera (optional camera brands: Canon, Sony)	
	Camera direct power supply	
	Wireless camera system	



SCM850

SCM850 for Operation Microscopes



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Developed specifically for dentists

10 years of experience in the dental industry,
In-depth understanding of the needs of precision dental treatment

Enjoy better visualization during dental surgery and benefit from increased physical comfort, giving you clearer, better comfort and allowing you to concentrate fully on your treatment, greatly optimizing your Treatment results.

We have the spirit of persevering in research and development

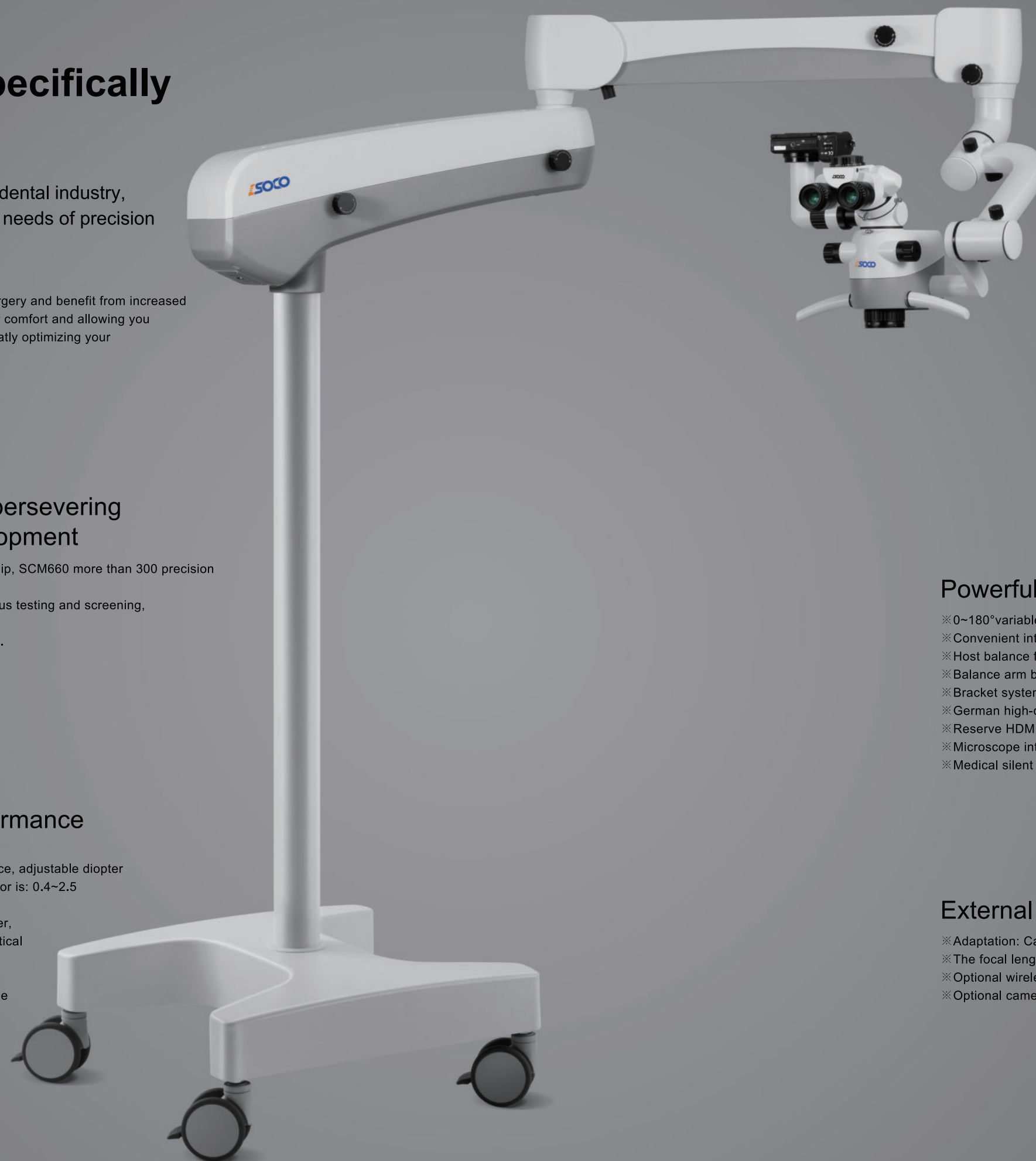
SOCO adheres to the spirit of craftsmanship, SCM660 more than 300 precision departments.

The parts have undergone the most rigorous testing and screening, and each part is backed by.

It has a strong global supply chain support.

Excellent optical performance

- ※ Apochromatic optical system
- ※ High eye point 12.5X wide-angle eyepiece, adjustable diopter
- ※ Continuous zoom: The amplification factor is: 0.4~2.5
- ※ Large zoom objective lens
- ※ Three-in-one optical splitter: 45° extender, pendulum system, splitter Integrated optical device, splitting ratio 2:8 or 5:5
- ※ Efficient and powerful lighting system
- ※ Five types of lighting spots are adjustable



Powerful stand system

- ※ 0~180°variable angle binocular tube
- ※ Convenient interpupillary distance adjustment function
- ※ Host balance force adjustment device
- ※ Balance arm balance force adjustment device
- ※ Bracket system damping adjustment device
- ※ German high-quality bearings and imported gas springs
- ※ Reserve HDMI transmission interface
- ※ Microscope integrated base
- ※ Medical silent casters

External HD video system

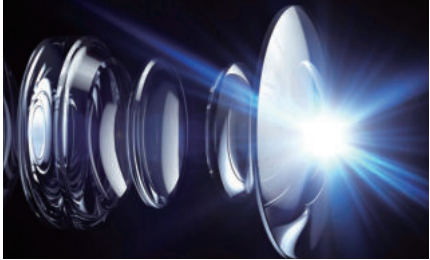
- ※ Adaptation: Canon, Sony camera
- ※ The focal length is adjustable
- ※ Optional wireless camera system
- ※ Optional camera direct power supply

Excellent optical performance

More comfortable and clearer immersive optical experience, allowing doctors to. It can easily cope with the needs of refined treatment, and at the same time enjoy the treatment process fun of.



Apochromatic Optical System



The SCM850 uses an apochromatic optical system that can correct red,The refraction of different wavelengths of green and blue visible light ensures that in each Magnification levels reveal complete detail.

High eye point 12.5X wide-angle eyepiece



High eye point wide-angle eyepieces allow for a wider field of view, making it easier to use.The user's eyes can be easily observed without being close to the eyepieces.The photometric design is more suitable for spectacle wearers.

Large zoom objective lens (working distance: 195-450mm)



A large zoom objective lens suitable for general dentistry. The working distance is between 195mm and 450mm. The focusing range completely covers the entire depth of the oral cavity.



Continuous zoom system

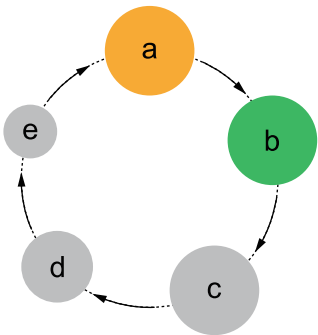
Turn the magnification adjustment knob to achieve continuous, smooth, and stepless zooming and zooming. The field of view will not be lost or blackened during the zooming process. The magnification factor can be continuously adjusted from 0.4x to 2.5x, and the total magnification speed can be from 1.6x to 19x. Continuous magnification.

Efficient and powerful lighting system

The SCM850 lighting system has high color perception and color reproduction, making it easier to distinguish treatment details, especially for small, deep, and narrow cavities. 5 kinds of lighting spots are optional, with lower energy consumption and longer service life. SCM850 has the function of raisina the balance arm to automatically turn off the light source and pulling it down to automatically turn on the light source.

Five illumination spots are optional

Allows you to focus more on the treatment area when you choose a small to medium white spot. Lighting of the area to avoid interference caused by light reflection in other areas,It also gives patients a more comfortable treatment experience



- a. Orange spot
- b. Green spot
- c. Large white spot
- d. White light spot
- e. Small white spot

White, green, orange filter modes:



White light source mode: High color rendering index, more color lifelike.



Green light source mode: See clearly in the surgical environment tiny nerve blood vessels.



Orange light source mode: Resin material can be retarded curing time.

Standard large objective lens protection cover:



The standard large objective lens protection cover can avoid splashing of water droplets, impurities, etc. brought into the large objective lens during treatment, resulting in large objects mirror damage, and at the same time easy to clean.



External HD video system interface

SCM850 can help doctors to visualize the diagnosis and treatment process, and can give patients It can bring more accurate real-time images, improve communication efficiency, and greatly improve the patient's Satisfaction with medical treatment, and it is also convenient to share your treatment experience in the future.

3-in-1 beam splitter



45° extender, pendulum system, splitter Optical integration, split ratio 2:8 or 5:5.

Compatible with Canon and Sony cameras



SCM850 Imaging System External Camera Interface Adaptation, Canon and Sony cameras.

Adjustable focal length



SCM850 focal length adjustment knobs can be very convenient to adjust the external. Set the focal length of the device to get the best clarity when shooting clarity.

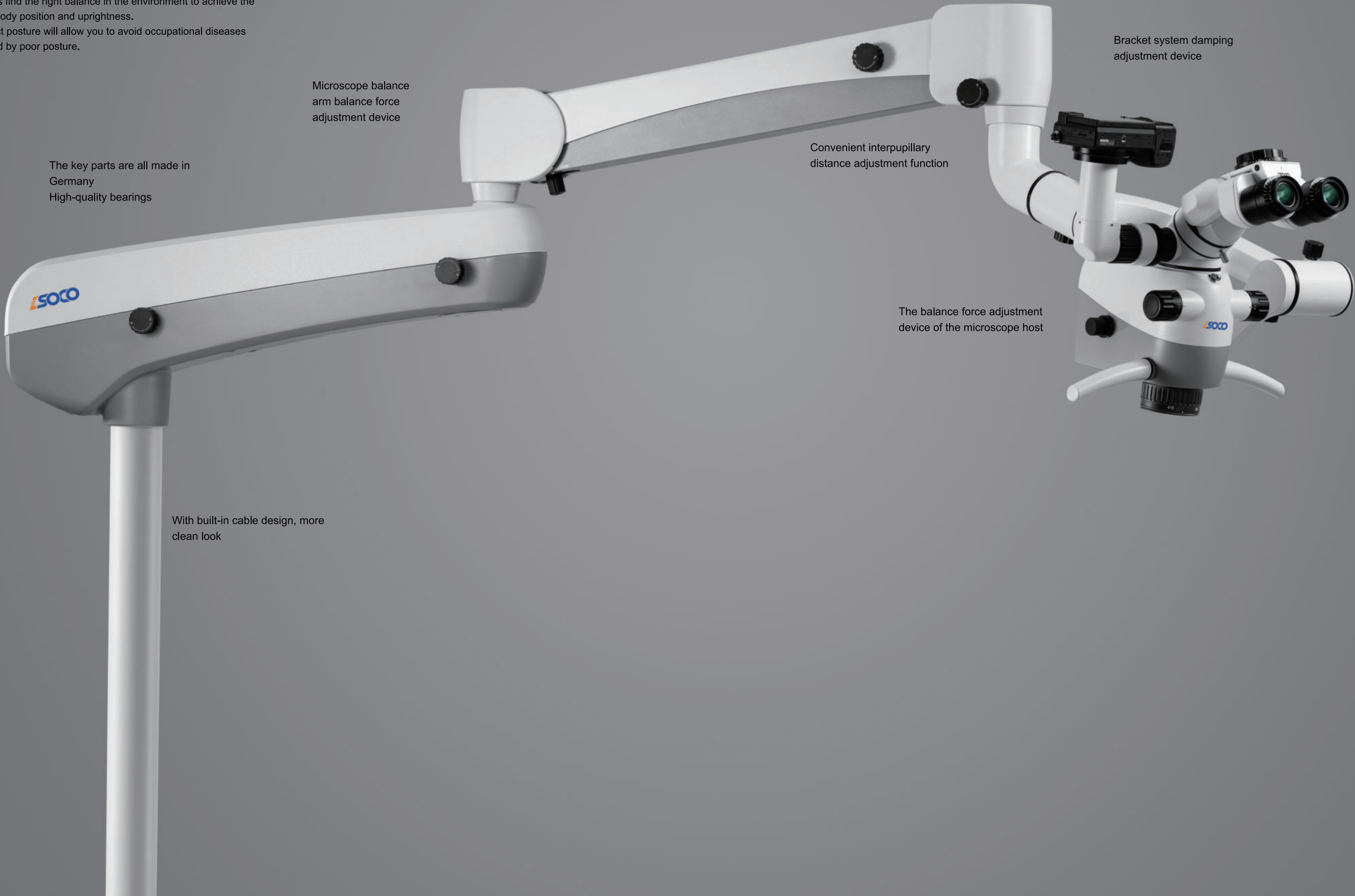
wireless camera system



While you are treating a patient , you can use the wireless camera system. The system captures the photos you need at any time , and the wireless foot switch can be used at any time.

Powerfu stand system

The powerful stand system of SCM850 can easily help you at work.
Always find the right balance in the environment to achieve the ideal body position and uprightness.
Correct posture will allow you to avoid occupational diseases caused by poor posture.



Microscope balance
arm balance force
adjustment device

The key parts are all made in
Germany
High-quality bearings

Convenient interpupillary
distance adjustment function

Bracket system damping
adjustment device

The balance force adjustment
device of the microscope host

With built-in cable design, more
clean look



0~180° variable angle binocular tube



0~180° adjustable binocular tube improves the comfort angle when you work. Moderation and flexibility for wider viewing

Interpupillary distance adjustment



The interpupillary distance adjustment function helps you adjust to suit yourself. The interpupillary distance, the interpupillary distance adjustment range is 55-75mm.

Pendulum system



Under the condition that the doctor's sitting position remains unchanged, the host tilts to the left and right can maintain a horizontal viewing position.

Host balance force adjustment device



The microscope host can adjust the torque and damping according to the load to maintain the balance of the microscope; after loading digital accessories such as cameras and video cameras, the host can still be adjusted to keep the host in a balanced state.

Bracket system damping adjustment device



When you adjust the microscope bracket system to any position, the microscope bracket system can hover.

German high-quality gas spring



High-quality German gas springs are used in key parts of the microscope to provide better mechanical effects when moving the microscope cross arm.

Balance arm balance force adjustment device



Help you adjust the support force feel of the balance arm according to the load of the microscope host.

Integrated base



The integrated base provides a more stable support effect, and at the same time integrates the power supply of the whole machine, the appearance design is simple and easy to maintain.

Quiet Medical Casters



When you need to move the microscope, the 3-inch silent medical casters can be quieter and more stable when moving.

Reserve HDMI transmission interface



Reserve the HDMI transmission interface to reserve the upgrade space when you upgrade and install the video system later.

Order code:
SCM850



Optional accessories:

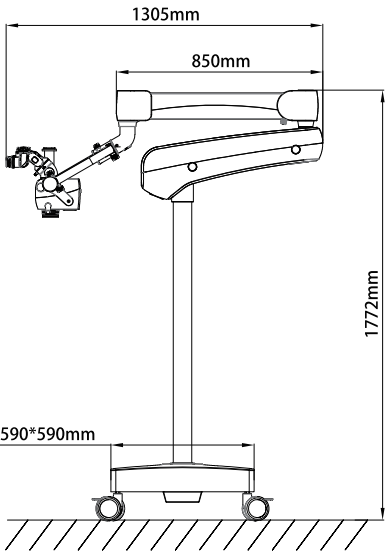
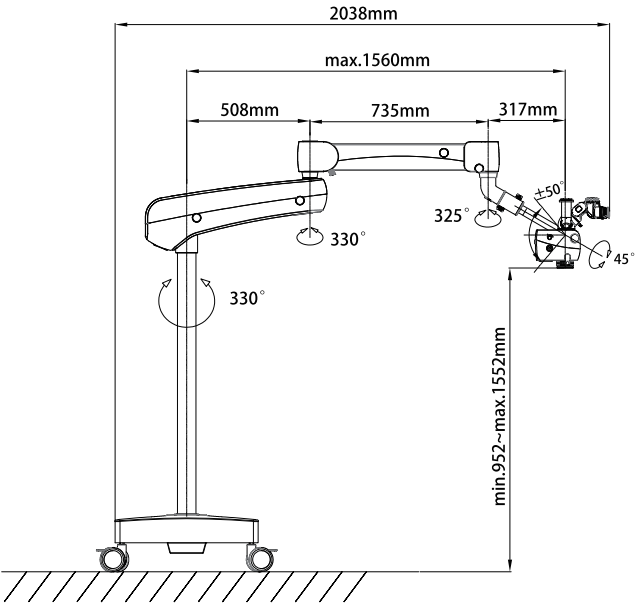
High quality monitor stand  Order code: ZJ-XS01	24" Dell HD Monitor  Order code: P2422H
Camera Optional Canon and Sony cameras  Order code: a6400、a6100、EOS-850D	Camera direct power supply  Order code: FW50
Wireless camera system	 Order code: WX-01

Product Size:
SCM850

Product Size:
SCM850

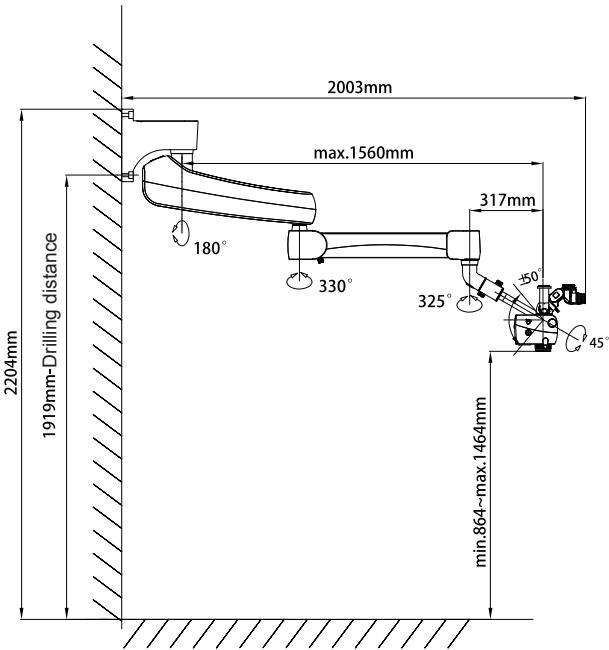
SCM850 floor stand

Order code:SCM850
Unit: mm



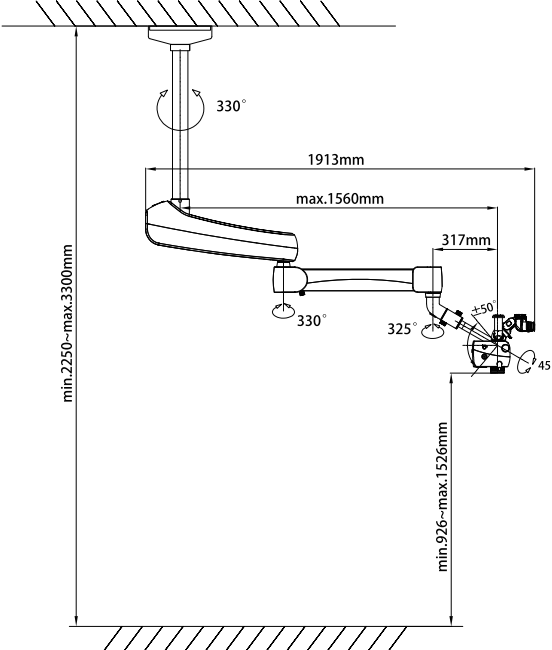
SCM850 Wall Mount Bracket

Order code:SCM850(B)
Unit: mm



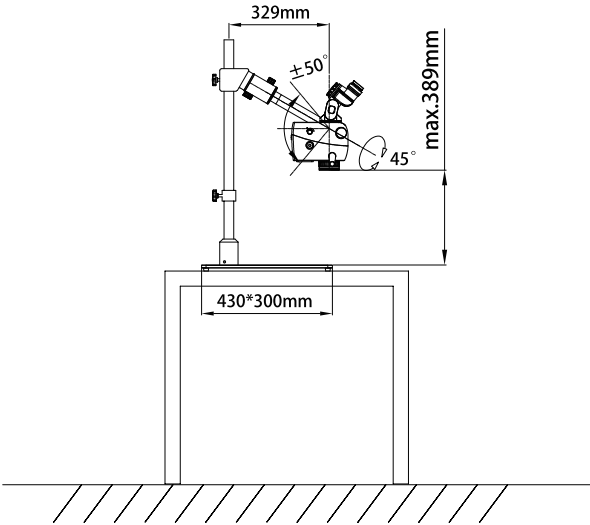
SCM850 ceiling bracket

Order code:SCM850(D)
Unit: mm



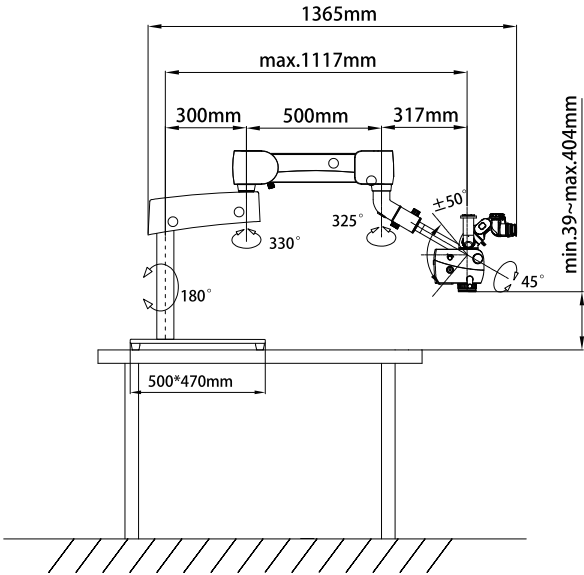
SCM850 simple bracket

Order code:SCM850(TB1)
Unit: mm



SCM850 tabletop stand

Order code:SCM850(TB)
Unit: mm



SCM850 table clip-on stand

Order code:SCM850(TJ)
Unit: mm

