stomdevice

semorr



DOM 3000 SERIES
DENTAL MICROSCOPES

For Dentistry, For you

See more, Treat more…

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

About Us

SEMORR Medical Tech specializes in designing, manufacturing and promoting surgical microscope with HD imaging system in dentistry. Whether you are in endodontics, periodontics, or restorative dental profession, SEMORR offers microscope solutions ideal for your practice.

Since founded, SEMORR has been derived from its core values and stands for benefiting every procedure by helping practitioners to better diagnose and predictably treat their patients.



Achieve Excellent Surgery Effect

To enhance your vision as well to enable you to work comfortably throughout your career and to achieve the core goal of delivering excellent surgical outcomes, a professional and exquisite designed dental operation microscope is the best helper. Right, it is DOM 3000.

Even better, a full HD Imaging Management System is designed for DOM 3000 series, which means you can set up a database and manage all the archives on your Mac, i.e. establish an archive for your patient, record a surgeries, capture photos, and print diagnose reports. The data support you for easy communication with patients; provide vivid material for training and sharing with other professionals in a seminar.



Features

- Excellent optical system ensures an exquisite image in every detail
- Accurate zoom magnification system
- Stable and lifelong LED illumination
- Elegant and compact design
- Ergonomic binoculars (with 210° movement)
- Flexible balance system
- Accessible to future update to premium edition

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Inclinable Binocular Tube

Semorr ergonomic binoculars (with 210° movement) provide a comfortable working position for surgeons. Pupil distance is adjustable as well for better viewing.

Eye Cups

Fold or unfold it, use it to comfort your viewing.

Magnification Changer

Accurate magnification positioning

Microscope Body

Smart outside, strong inside.

Objective with Fine Focus

Focus distance 250mm (9.84'') objective lens offers sufficient space for all kinds of microsurgery.
Manual fine focus(14mm) function makes it easier to obtain clear image in high magnification.

Rotatable Handles

360° variable rotation
Easy to be placed at any intended position and enables the surgeon to move the microscope head easily.

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Excellent Optics

High Transparent Optics

Optical glass made in Germany: premium quality, multi-coating, high resolution, high definition, large depth of view, and wide field of view.



Accurate Zoom Magnification System

Continuous zoom system allows you to stay concentrated in recording a surgery. Unexpected interruption of workflow by magnification shift is eliminated.





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Stable and LifeLong LED Illumination



Long reach microscope arm make DOM3000 flexible to various microsurgery positions.

Lifelong LED Illumination Source

Patented LED illumination system design. Stable and energy saving. Low heat, noise-free.

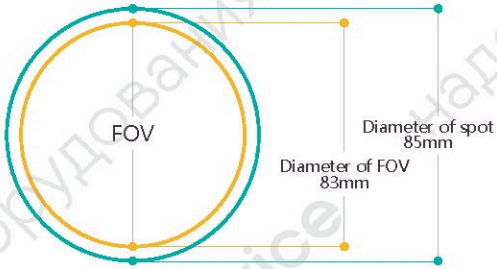
The color temperature is 6500k, a simulation of natural light, making the image clear, sharp and real.



LED modular | Image under halogen light | True color image under LED light

Optimized Illumination System

The whole FOV is evenly illuminated, no surrounding dark side, no observation blind zone(under the condition of minimum magnification selected).



Embedded-in Yellow Filter

Place the yellow filter in position to prevent premature curing of composites.



With yellow filter | Regular light

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Semorr Trustworthy

See more, Treat more...

Semorr DOM3000 Series Dental Microscope

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MICROSCOPY EXPANDING YOUR VISION

DOM 3000 Series Dental Microscopes

For Dentistry, For you

Optimized optical system with patented lifelong LED illumination system guarantees excellent vision. Establish a database for the surgeries you performed on your Mac by the help of Semorr Imaging System, and this will support you earning trust from the patients; provide vivid material for training and sharing with other professionals in a seminar.

Elegant and patented appearance, ergonomic ease of use and comfort are natures of DOM3000. And DOM 3000 works for you.

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Ergonomic Design
Ease of Use, Comfort

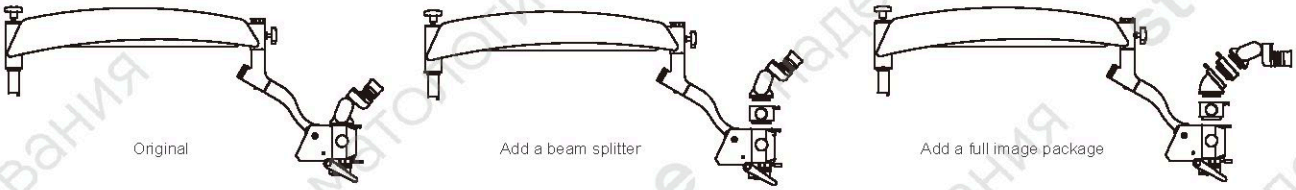
Ergonomic Binocular Tube(210° movement)

Semorr knows every surgeon’ s comfortable working positions are different. For relieving the muscle fatigue of shoulder, neck and lower back during long time surgery and keep the surgeons away from occupational diseases, this wide range viewing angle binoculars are designed.



Flexible Balance System

Accurate balance mechanical structure guarantees the swing arm rotating flexibly and microscope arm moving up and down smoothly. Load-bearing weight is pre-calculated to maintain the smooth movement and accurate position of DOM3000 when accessories are added.



360°Rotating Handle

Easy position at any angle you prefer.



Pendulum Structure

The binoculars will remain the same height level to the floor during rotation movement. This design enables the surgeon to hold his or her head and back in a comfortable position and relieve the long time surgery fatigue.



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External Full HD Imaging Systems

Full HD Imaging Management System is available for DOM3000. Run the system on your Mac, image and video recording become easy. Start using Imaging Management System right now to make your patient better understand the procedures and earn their trust. Make the training live and impressive. Share your research results and experience in a seminar. All these together may ultimately push dentistry forward as we hope for.







Optional Accessories for Flexible Upgrade

Rotating ring, Binocular extender (two options available: 30°and 45°)
Digital camera kit: Beam splitter + Digital camera adapter
Video camera kit: Beam splitter + Video camera adapter (1/3” CCD adapter)


Rotating ring


Binocular extender


Beam splitter


Digital camera adapter


Video camera adapter

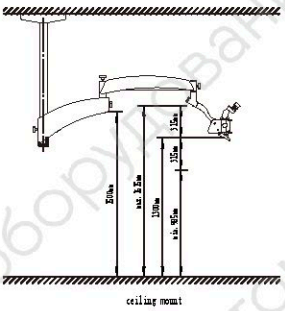
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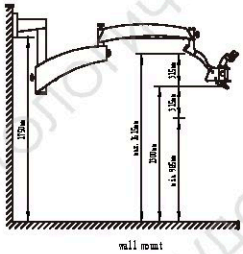


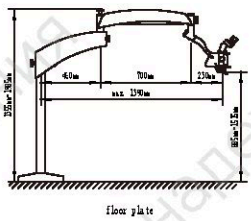
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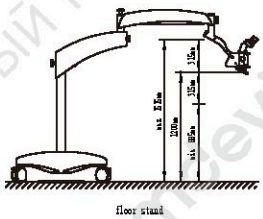
DOM3000 Series Technical Specifications

Microscope system	
Eyepieces	12.5X/18B(Aperture:18mm)
Binoculars	210° variable
PD adjustable range	50mm-75mm
Diopter range	±6D
Magnifications	DOM3000B: 5 step DOM3000C: 6 step DOM3000E: ZOOM
Total magnification ratio (12.5X eyepieces, objective lens focus distance: f=250mm)	DOM3000B: 5 step 3.2X/5X/8X/12.8X/20X DOM3000C: 6 step 2.7X/4X/6.1X/9.6X/16X/24X DOM3000E: ZOOM 3.6X-23X
Objective lens	f=250mm
Fine focus of objective lens	0mm-14mm
Diameter of FOV (12.5X eyepieces, objective lens focus distance: f=250mm)	DOM3000B: 5 step 11mm/17mm/27.5mm/44mm/68mm DOM3000C: 6 step 9mm/14mm/22mm/37mm/56mm/83mm DOM3000E: ZOOM 9.8mm-62.5mm
Illumination system	
Light source	LED module, variable brightness, over 60000h life span
Minimum illumination intensity（f=250）	>80,000lX
Diameter of illumination spot	85mm
Filter	Yellow（CB550）
Color temperature	6500K close to natural light, true color
Stand system	
Default Stand	Patented, stable floor stand
Cross Arm	Radius gyration: 460mm，360° rotation
Swing Arm	Radius gyration: 700mm，±160° rotation，up & down ±315mm
Microscope arm	Radius gyration: 230mm
Longest arm reach	1390mm
Dimension of base	945mm×945mm
Power specifications	
Input power (Wide voltage)	AC100-250V，50/60Hz
Light source max consumption	20VA
Total consumption	70VA
Fuse	220V T1.0AL；250V/110V T2.0AL 125V,
Packing	
Dimension	1250mm*1080mm*470mm(50inch*43inch*19inch)
Net weight	100kgs(220lb)
Gross weight	105kgs(232lb)
Optional accessories	
Eyepieces	10X/18B、16X/18B
Binoculars	45°, 90° fixed angle/ 0~90° variable
Objective lens	f=175/200/300/350/400mm　　0mm-14mm fine focus facility included
Beam splitter	50%: 50%/20%: 80%
Digital camera adapter	Canon EF-mount/Nikon
Video camera adapter	C-mount/CS-mount 1/3"CCD
Binocular extender	45°/30°（rotation angle: ±25°）
Foot pedal	Canon/ Nikon


ceiling mount


wall mount


floor plate


floor stand

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Agent Information

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