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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.

your best choice

SMART OUTSIDE-STRONG INSIDE



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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Eye Cups

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

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.

IPD adjustment knob

Precise positioning of pupil distance. It offers dentists a conveni ent way to set the microscope to correct position and get focus easily.



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.

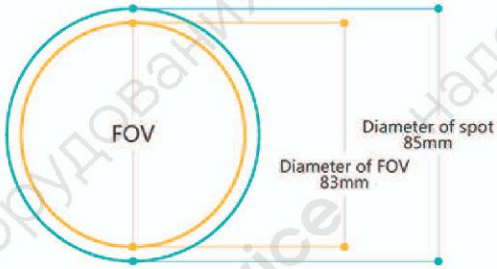
The color temperature is 6500k, a simulation of natural light, making the image clear, sharp and real.



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

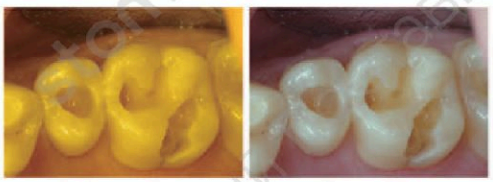
Optimized Illumination System

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...



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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.

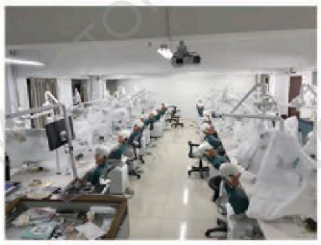
Elegant and patented appearance, ergonomic ease of use and comfort are natures of DOM3000. And DOM 3000 works for you.

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Technical Specifications

Magnifications: Zoom Manually
Eyepieces: 12.5X/18B (Aperture: 18mm)
Binoculars: 0~210°variable
Objective lens: f=250mm (0~16mm focusable)
Illumination: LED
Stand system: Tabletop, Table clip mount, Dental unit mount











Intelligent CCD Image Acquisition System

Intelligent CCD Image Acquisition System
Full HD 1080P Video;
Fast camera, video and SD card storage, maximum support of 256G SD card;
Large sensor;



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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 DOM300 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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Optional Accessories for Flexible Upgrade



Rotating ring



Binocular extender



Beam splitter



Digital camera adapter



Video camera adapter



Vario focus lens



Dual Diaphragm



Laser filter



Mora Pendulum System
(with/without beam splitter)



Foot pedal



Lens protector



Curved handle



Mobile adapter



Twin flash



Flash mount

Wireless Full HD video transfer solution

With a transfer speed of 3Gbps, your audience can view everydetail of your surgery in real time, lossless quality for live training and seminars. Eight separate display terminals(monitor and projector) are supported at same time.

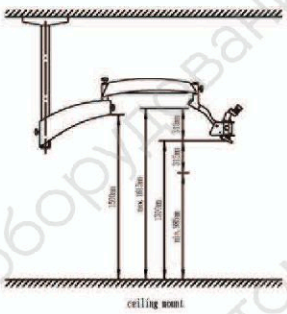
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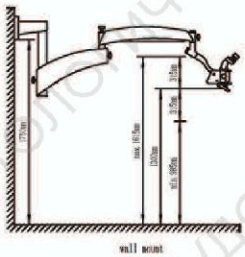


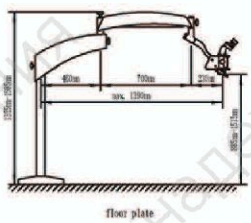
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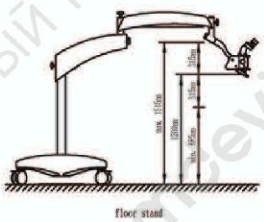
DOM3000 Series Technical Specifications

Microscope System	
Eyepieces	12.5X/18B(Aperture:18mm)
Binoculars	0～210° inclinable
PD adjustable range	50mm～75mm
Diopter Range	±6D
Total magnification ratio (12.5X eyepieces, objective lens focus distance: f+250mm)	DOM3000B: 3.2X/5X/8X/12.8X/20X DOM3000C: 2.7X/4X/6.1X/9.6X/16X/24X DOM3000E: 3.6X～23X
Objective Lens	f=250mm
Fine focus of objective Lens	0~16mm
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 60,000h life span
Minimum illumination intensity (f=250)	>80,000lX
Diameter of illumination spot	85mm
Filter	Orange, Green
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	516mm X 516mm
Power specifications	
Input power (Wide voltage)	AC100-240V，50/60Hz
Light source max consumption	20VA
Total consumption	68VA
Fuse	220V：T1.0AL 250V / 110V：T2.0AL 125V
Packing	
Dimension	1250mm×1080mm×470mm(50 inches×43 inches×19 inches)
Net weight	100kgs (220lb)
Gross weight	115kgs(254lb)
Optional Accessories	
Eyepieces	10X/18B 16X/18B
Binoculars	45°/90° fixed angle,0～90° inclinable
Objective Lens	f=175/200/300/350/400mm (0~16mm fine focus) F200mm-F400mm Variable
Beam splitter	20% : 80%
Pendulum module	Swing range:±15°
Digital camera adapter	Canon EF-mount/Nikon/Sony
Mobile adaptor	Applicable for iPhone/ Samsung/ Huawei cell phone
Video camera adapter	C-mount/CS-mount1/3" CCD
Binocular extender	Rotation angle: ±25°
Foot pedal	Canon/Nikon


ceiling mount


wall mount


floor plate


floor stand

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