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Bon dent

DOM3000D pro microscope

Product Brochure



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DOM3000D pro microscope

Excellent optics



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

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CE FDA

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ERGONOMIC DESIGN
EASE OF USE, COMFORT



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DOM3000D pro microscope Technical Data

Microscope System	
Eyepieces	10X/22B high eyepoint ocular help receive larger FOV
Binoculars	0~210° Inclinable extended tube
PD adjustable range	55mm-75mm
Diopter Range	±7D
Magnifications	ZOOM magnification
Zoom magnifications	3.6x-23.3x
Objective Lens	180mm-460mm
Diameter of FOV(")	132mm-9.7mm
Illumination System	
Light source	Built-in high-reliability medical LED light source , with continuously adjustable luminance, life span over 60,000 hours
Minimum illumination intensity (f=250)	≥80000lx
Diameter of illumination spot	≥60mm
Color Filter	Yellow, green
Color temperature	5700K, closer to natural light
Support System	
Bracket type	Suspension type bracket
Big arm	460mm, 360° rotation
Spring arm	700mm, ±160° rotation, vertical displacement ±315mm
Maximum arm spread	1390mm
Base size	516mm*516mm
Surface Material	Protected with antibacterial nano silver ion coating to ensure no cross contamination
Built-in 4K camera system	
Video definition	3840×2160 (4K, switchable to 2.7K, 1440P, 1080P, 960P and 720P)
Video frame rate	30fps@4k
Storage medium	External TF flash disk 128G TF
Screencasting Program	Play back video and picture files online
Shooting support mode	JPG\RAW (image format), MP4 (video)
4k pedal	Control 4K video system shooting
Control mode	Wireless remote control: mobile phone, tablet and other terminals Buttons on handle

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PRODUCT BENEFIT

❶ New optical design Extreme visual experience



-Sharpen optical imaging
Effectively reduce beam splitting, color separation, filtering, polarization, and thus reducing glare.

-Improve imaging clarity
The new optimized optical path design enhances the ability to collect light within the working distance, thereby increasing the resolution.

-Enhance color rendition
Medical grade LED light source is used to increase the percentage of luminous flux to its incident luminous flux and improve light transmittance.

❷ Built-in 4K camera for higher-quality imaging

Built-in 4K imaging system, based on SONY's high-end image sensor, it supports 4K video recording, which is much clearer than traditional high-definition imaging systems.



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❸ Era of IOT, share in real-time

More flexible control modes:
- Mobile phone
- Tablet computer
- Buttons on handle

Bon Image



Use your mobile phone or tablet to take pictures and videos of cases, which is helpful for

- Doctor-patient communication
- Academic communication
- Remote medical treatment

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DOM3000D pro microscope

❹ Unobstructed field of view Less repositioning during surgery

FOV: **132mm to 9.7mm** field of view diameter



❺ Larger operating space, less microscope movements

Vario focus objective lens

Range: **180mm-460mm**



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FLEXIBLE MECHANISM

6 Safer and cleaner clinic environment

The permanent nano-silver ion coating additionally protects the overall body of the microscope, which can further maintain the cleanliness of the microscope surface, reduce harmful pathogens and reduce the risk of cross-contamination, and adhere to strict disinfection protocols in clinics.



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DOM3000D pro offers the most reliable optical aid support for even the most demanding disciplines:

Endodontics





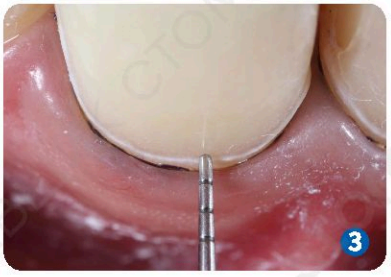
Oral examination



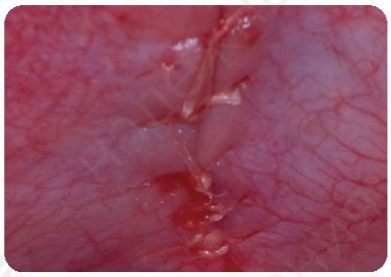


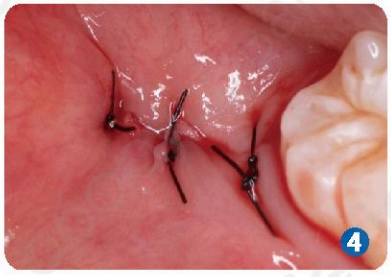
Aesthetic dentistry



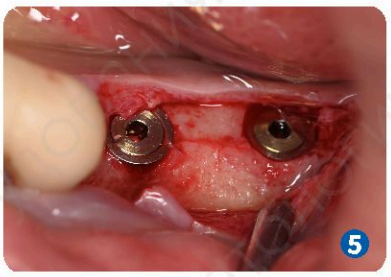


Periodontics





Implantology



Images courtesy of:

[1]Dr. Nuno Pinto
[2]Dr. Ming Xue
[3]Dr. Hongyuan Wen
[4]Dr. Jianhua Liu

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