



# OMS3200 R2

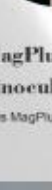
## Dental Microscope

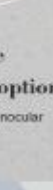
















**MagPlus 1.5 0°-180° inclinable binocular tube with PD knob (optional)**  
This MagPlus1.5 increase 50% magnification in the binocular

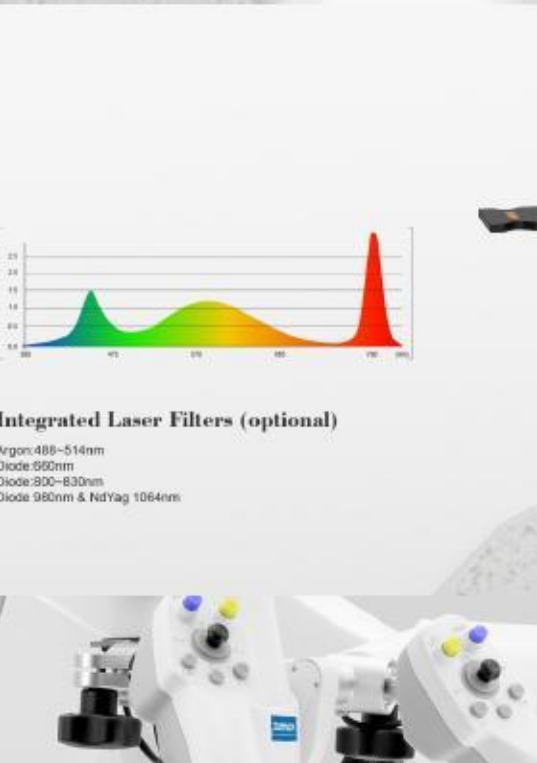




**VarioDist Objective Lens**  
The focal point separation of the pair lens can be adjusted in the range of 200mm to 400mm, allowing for easy focusing during operation.



**BriPlus Illumination System**  
33% auto-increased intensity at maximum magnification to get more light for high magnification. When the magnification at the highest, the light spot is the smallest and when the magnification is at the lowest, the light spot is the largest



**TruLED™ Illumination**  
Illumination: >100000 Lux, color rendering reproducibility (CRI:92). LEDs present many advantages over Halogen or Xenon sources including lower energy consumption, longer lifetime, improved robustness and durability and reliability.

**BiLED™ Illumination**  
Backup light source for accidentally shutting down of the main LED illumination



**FluoDet™ Fluorescent Module (optional)**  
Excluding for the USA, FDA is under the process of registration



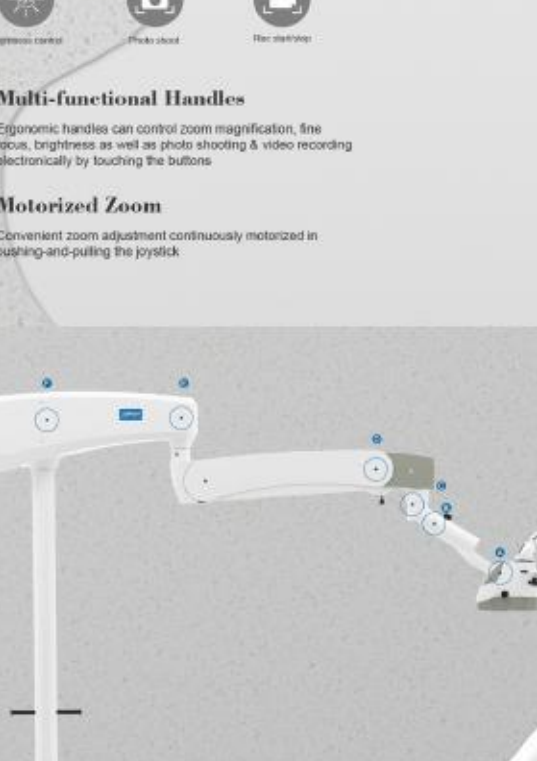
**Secondary Lighting (optional)**  
The luminance is higher than 200,000 Lux at 250mm working distance



**Integrated Laser Filters (optional)**  
Argon 488-514nm  
Diode 660nm  
Diode 980-1030nm  
Diode 980nm & Nd:Yag 1064nm



**Integrated Yellow & Green Filters, Illumination Filter**  
In addition to the five color filters of yellow and green, it is equipped with four pattern light range reduce the burden to the eyes of the user



**Integrated 4K Camera with external flash disk (optional)**  
Zumax introduces outstanding UHD resolution and superior color performance, fidelity and economical. With outstanding performance, the camera outputs a whopping 3840x2160 resolution from HDMI interface with increased resolution up to 1800 TV lines, and has auto focus function



**iMovCloud™ Image Management (optional)**  
iMovCloud Single version is an advanced and fully integrated surgical image management system which based on Windows platform. It is an ideal choice for worldwide dental clinics. Together with Zumax microscope to collect videos and images, integrate four major management functions of clinics, doctors, patients and medical records to realize the sorting, analysis and documentation. "Intranet version" service, which realize local network viewing, maintenance, management easily, is coming soon. "Cloud version" service, which realize cloud viewing, cloud maintenance, cloud management, remote joint inspection and other functions.



**4K-3D System (optional)**  
Twin 4K Cameras  
Teaching or presenting in 3D mode which helps teachers teach and students learn through real time depth perception  
Help patients to understand procedures clearly and better with 3D videos  
Recorded 3D video in a flash disk, can be viewed on 3D TV, 3D projectors and VR/AR viewers  
Outputting real 3D streaming while the dentists are operating on microscope live

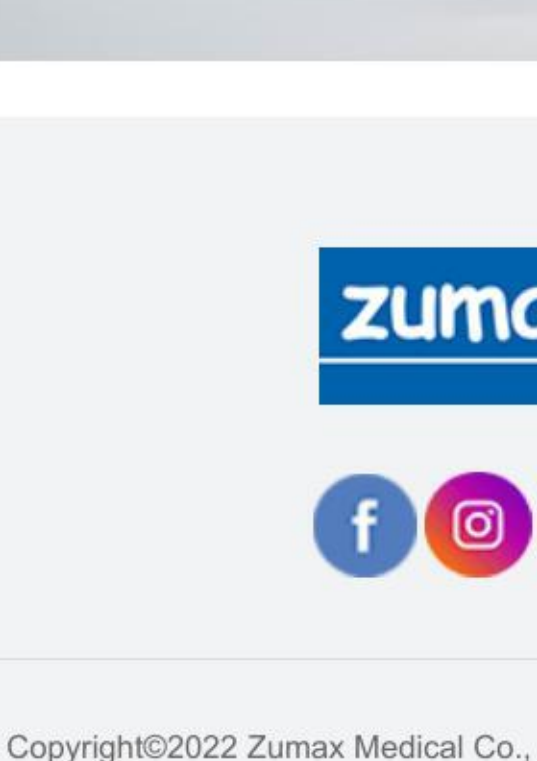


**Digital visualization (optional)**  
Optional digital visualization accessories provide lossless live images or play-back to perform the steps of a procedure to patient's understanding and store the records for reviewing  
(Compatible to major camera brands, Iphone and some brands android phones)



**Multi-functional Handles**  
Ergonomic handles can control zoom magnification, fine focus, brightness as well as photo shooting & video recording electronically by touching the buttons

**Motorized Zoom**  
Convenient zoom adjustment continuously motorized in pushing-and-pulling the joystick



**3 Magnetic Brakes**  
The magnetic brakes provide an easy and precise positioning of the microscope, and prevent the movement of the optic pod without changing the direction of the binocular head thereby enhancing user comfort and ergonomics



**Wireless ST™ Mini-Footswitch (optional)**  
IPX8 waterproof Mini-footswitch has compact structure, which realized the doctor's blind operation of zoom magnification, fine focusing and taking still photos and videos without removing the visual field. Free hands when hands on



**Pendulum Function (optional)**  
This function allows the users to remain in an upright viewing position, by changing the direction of the optic pod without changing the direction of the binocular head thereby enhancing user comfort and ergonomics



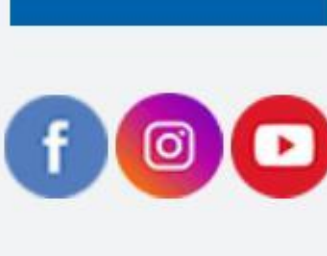
**SmartMon LCD Display**  
WD: Working Distance  
ZM: Zoom Magnification  
MF: Magnification Factor  
MS: Magnification Scale  
SR: Brightness

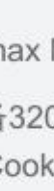
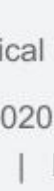


**Technical Parameter**  
Optical Parameters  
Motorized Zoom System, with apochromatic 1:0 ratio  
1.8x-25x with 12.5x eyepieces  
Magnification factor y=0.4X-2.4X  
Working Distance  
Variable Working Distance 200 mm -450 mm  
Binocular Tubes  
0°-180°adjustable Binocular Tube with PD adjusting knob  
F=170mm  
PD Adjustment Range  
95 mm - 75 mm



**Floor Stand**  
**Ceiling Mount**  
**Wall Mount**  
**Fixed Ground**




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