

#### For more information, please contact:

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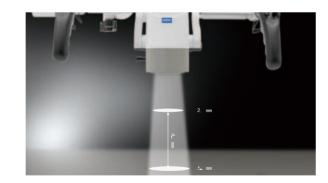
# **Excellent Optical Quality**

High quality optical glass, multi-layer optical coating and apochromatic design, with excellent optical performance, large depth of field, high definition and high resolution.



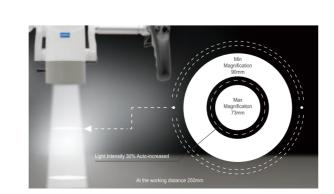
# **VarioDist Objective Lens**

The focal point separation of the pair lines can be adjusted in the range of 200mm to 600mm, allowing for easy focusing during operation.



## **BriPlus Illumination System**

30% 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.



# MagPlus1.5<sup>™</sup>180deg inclinable binocular with PD(optional)

		0-180 deg inclinable binocular tube with PD	MagPlus1.5 180 deg inclinable binocular tube with PD
	Magnification Adjustment	0.4x ~ 2.4x	0.4x ~ 2.4x
	Magnification	1.8x ~ 20x	2.7x ~ 29x
	Diameter of Field-of-view(mm)	124 - 11.6mm	82.5 - 7.7mm

#### **Anti Reflect Module**



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#### **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** 

Illumination.

Backup light source for accidentally shutting down of the main LED





#### **TruLED Illumination**

In addition to the two color filter of yellow and green, it is equipped with four pattern lighting range selector to reduce the burden to the eyes of the user.

Yellow filter: Prevents premature curing of composite. Green filter: Improves detail visibility by enhancing the(Red free) contrast of tissue with a strong blood supply.









## **Secondary Lighting (optional)**

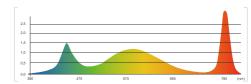
The illuminance is higher than 200,000 Lux at 250mm working distance.



### **Integrated Laser Filters (optional)**

Argon:488~514nm Diode:660nm Diode:800~830nm Diode 980nm & NdYag 1064nm





# IMAGE OUTPUT & RECORDING

# **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 3840/2160 resolution from HDMI interface with increased resolution up to 1800 TV lines, and has auto focus function.

## iMovCloud™ Image Management (optional)

iMovCloud system has Single version, Intranet version and \*Cloud version. 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.







# **OPERATION SYSTEM**

#### **■** Multifunctional Handle, Foot Pedal



#### **Multi-functional Handles**

Ergonomic handles can control zoom magnification, fine focus, brightness as well as photo & video recording electronically by touching the buttons.

#### **Motorized Zoom**

Convenient zoom adjustment continuously motorized in pushing-and-pulling the joystick.

# 12-Function Wire/Wireless Foot Pedal (Optional)

Which realized the doctor's blind operation of illumination switch, brightness adjustment, zoom magnification, fine focusing and taking still photos and videos without removing the visual field. Free hands when hands on.



# **■** FreeMov<sup>®</sup> Electromagnetic System



#### 3/6 Magnetic Brakes

The magnetic brakes provide an easy and precise posit ion-ing of the microscope. Just press the buttons (a or b) to release handbrakes and bring the microscope in the location required.



### **■** Visualization Of Operations



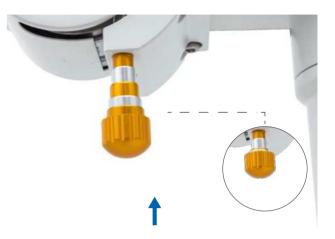
#### **SmartMon LCD Display**

WD: Working Distance

ZM: Zoom Factor MF: Magnification

MS: Measurement Factor

BR: Brightness



#### **Working Distance Limit Bolt**

The second arm with working distance limit bolt and memorable working range adjustment for quick adjustment of working distance to position for surgery in different departments.

#### ■ Stereo Assistant Scope (Optional)

Connect the beam splitter and stereo observation tube and 180 deg inclinable binocular on OMS3200 microscope, assistant can have stereo image from scopes easily when helping Chief surgeon.







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# ■ Face To Face Bridge For Four-Hand Surgery (Optional)

The bridge provides the surgeon and the assistant with a face-to-face view to improve the efficiency of the operation, while the bridge is equipped with a beam splitter for additional accessories such as a stereo observation tube or an external camera.

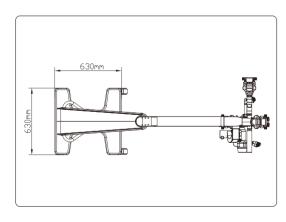


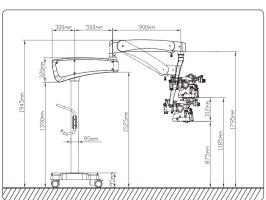




With the rotation ring, the eyepieces keeps horizontal when the main lens is doing pendulum movements.

# **TECHNICAL CONFIGURATION**







#### **Parameters**

arameters				
Optic parameters:	OMS3300	OMS3500		
Optic parameters:				
Working distance	Variable focal length objective lens have a working distance variation range of 200 mm $\sim$ 600 mm $^{\circ}$ Tolerance≤20%			
Range of pupil distance adjustment for binoculars	55 mm $\sim$ 75 mm			
Illumination of the surface	Maximum illumination not less than 100000 lx when objective lens working distance of 200 mm			
Diameter of light spot	The illuminated spot diameter is $\phi$ 85 mm at a magnification factor of 0.4 x for a VarioDist objective working distance of 200 mm, with a tolerance of $\pm$ 15%; the illuminated spot diameter is $\phi$ 215 mm at a magnification factor of 0.4 x for a VarioDist objective working distance of 600 mm, with a tolerance of $\pm$ 15%.			
Diaphragms	Large diaphragm   Middle diaphragm   Small diaphragm			
Polarizer	Optional			
	FreeMov 3°-Electromagnetic brakes	FreeMov 3°-Electromagnetic brakes FreeMov 6°-Electromagnetic brakes		
Controls	Multi-functional handles, below buttons to lock/unlock 3 brakes, Side buttons to lock/unlock 6 brakes,joysticks for motorized zoom +/-, Motorized foucs +/-, 4 buttons for taking photo/video, lighting +/-			
	SmartMon LCD display, displaying current working distance, zoom factor, magnification, measurement factor, LED brightness			
Stand system (including: first arm - secon	d arm)			
Second arm	Length not less than 850 mm, rotation angle not less than 300 °, movement up and down not less than ±300 mm			
Electrical parameters				
Input power	≤150 VA	≤200 VA		
	T2.5 AL 250 V			
Illumination system	LED illumination source			
Noise	≤ 65 dB (A)			
Operating mode	Continuous running			
Medical image capture and storage software (optional)	Release version V3			
Medical imaging software (optional)	Release version V1			
Function control software				
Cyber Security (optional)				
Operating environment				

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