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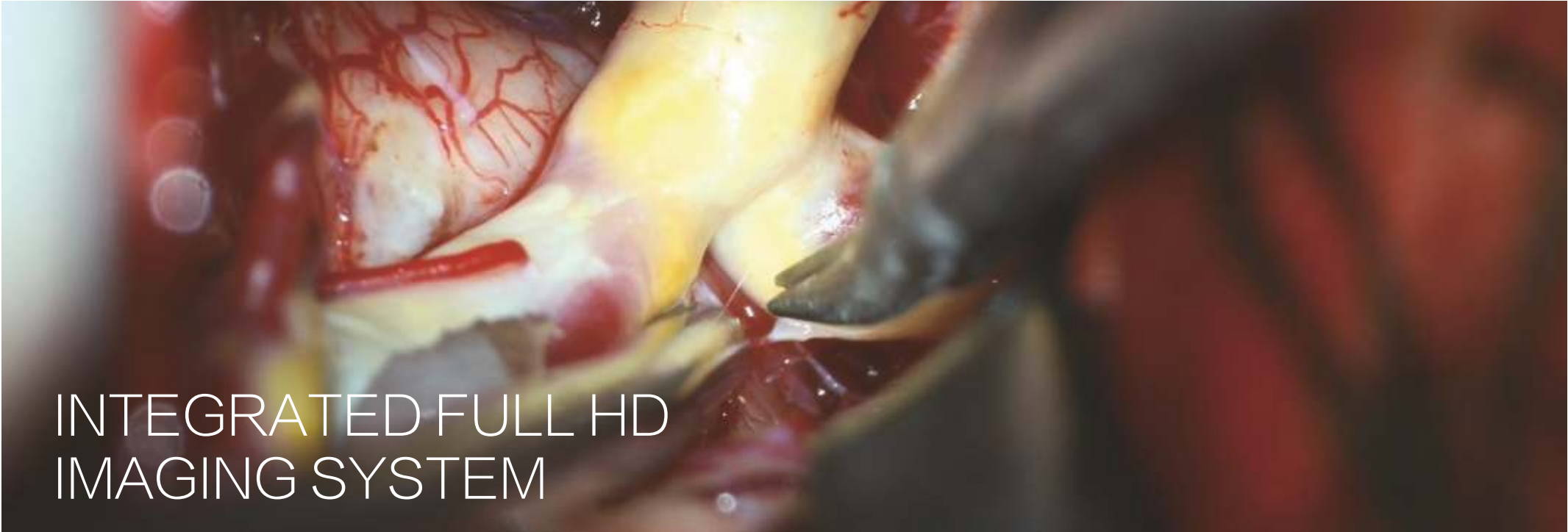
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**OMS2350**  
SURGICAL MICROSCOPE



# INTEGRATED FULL HD IMAGING SYSTEM

## 1080P Full HD Digital Imaging System

Featuring a **high-end SONY CMOS sensor**, supports FULL HD resolution output. Supports recording formats of JPEG and MP4.

**One-touch photo/video function.** Optional wireless foot pedal is available for convenient real-time photos and video capture, easy document.

**Full HD real-time network transmission** allows live observation of surgeries through various display devices. Effectively aids clinical work, teaching and research and patient communication.



# SUPERIOR OPTICAL QUALITY

## Premium Imported Optical Glass with Multi-layer Optical Coating

Eliminates chromatic aberration, delivering exceptional optical performance with a large depth of field, high clarity and high resolution.



## Wide-Field Eyepieces

With a field of view angle greater than  $50^\circ$ , features: **eyecup height adjustment and diopter adjustment.**



## 6-Step Manual Magnification

Located on both sides of the microscope body, allows for quick and convenient switching between high, medium, and low magnification.

| 6-step manual magnification | Example: the focal length of F=250mm and 12.5X eyepiece: |      |      |       |       |       |
|-----------------------------|----------------------------------------------------------|------|------|-------|-------|-------|
| MF                          | 0.3x                                                     | 0.5x | 0.8x | 1.2x  | 2.0x  | 3.0x  |
| Total magnification         | 2.8x                                                     | 4.2x | 6.9x | 10.4x | 17.0x | 25.6x |
| FOV diameter (mm)           | 89                                                       | 59   | 36   | 24    | 15    | 10    |

# OMS2350

Brightness Adjustment Knob

0° – 180° Inclined Binocular  
Tube With PD Adjustment

Rotating Ring

Wide-Field Eyepieces

6-Step Manual  
Magnification

Integrated Full HD Camera

110mm

## Patented LED Integrated Illumination Module

(Patent No.: ZL 2010 1 0229328.2)

Featuring **high-quality medical-grade LED** light sources, it offers **true-to-life color reproduction** and clear light spots. **Less energy consumption, longer lifespan**, ensuring greater safety and reliability. It's designed to **operate silently**.



LED



ZUMAX PATENTED LED

## Adjustable Working distance

A comprehensive range of objective lenses is available to address your surgical requirements.



VarioDist Objective Lens

F=190~300



Objective Lense (fixed focus)

F=200mm250mm300mm350mm400mm

# COMFORTABLE ERGONOMICS

## 120° Adjustable Balancing Arm

The 120° adjustable balancing boom allows for precise calibration. This effectively enhances the **smoothness and comfort** of microscope operation.

Connect the beam splitter and stereo observation tube and 180 deg inclinable binocular.



## 0° – 180° Inclinable Binocular Tube With PD Adjustment

Designed in accordance with **ergonomic** principles, this feature ensures that clinicians can achieve an ergonomic posture. It helps clinicians **avoid the troubles of cervical spondylosis and lumbar spondylosis**.



## Precise PD Adjustment

Calibration accuracy is less than 1 mm, allowing users to quickly adjust

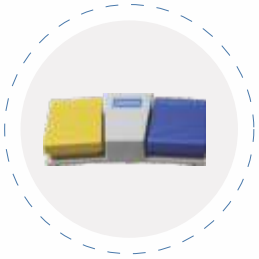


# ACCESSORIES



## Laser Protection Module

It provides protection against laser wavelengths of 810nm (fiber laser), 1064nm (semiconductor laser or YAG laser), 2780nm (Er, Cr: YSGG laser), 2940nm (Er: YAG laser), and 10.6  $\mu$ m (CO2 laser).



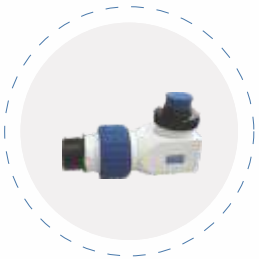
## Wireless Foot Pedal for Camera

Suitable for use with Canon/Nikon/SONY DSLR cameras. It allows doctors to capture satisfactory clinical images at any time during treatment.



## Depth of Field Enhancer (Variable Aperture)

Based on optical imaging principles, the variable aperture can triple the depth of field in captured images, with particularly noticeable effects at high magnifications.



## Easy360 / Easy360 Plus Smartphone Adapter

Allows smartphones to directly record microscopic images and videos, enabling clinicians to share and discuss cases on the internet in real-time. **World's first microscope smartphone imaging adapter.**



30° optical extender  
& beam splitter



Rotating ring



45° optical extender



Flash adapter



Rota 360 digital  
camera adapter



Digital camera adapter  
(Canon/Sony/Nikon)



iPad adapter

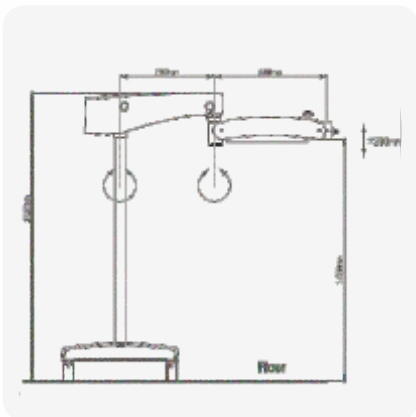


Digital Camcorder adapter

# CONFIGURATIONS

## Basic configuration

|                                    |                                                                                                                              |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Binocular tube                     | 0–180° inclinable binocular tube, focal length F=170mm, PD adjustment range 54mm–76mm                                        |
| Eyepiece                           | 12.5X, diopter adjustment range $\pm 7D$                                                                                     |
| Objective Lense                    | F=250mm                                                                                                                      |
| Fine focus                         | F=250mm objective lense with fine focus, focusing range 13mm                                                                 |
| Object surface illumination (F250) | LED light source >60,000Lx                                                                                                   |
| Field of view diameter (F250)      | 10mm–89mm                                                                                                                    |
| Spot diameter (F250)               | $\Phi 90\text{mm}$                                                                                                           |
| Filters                            | yellow filter, green (red-free) filter                                                                                       |
| Second arm                         | length 600mm, rotation angle $\pm 150^\circ$ , up and down movement $\pm 300\text{mm}$                                       |
| First arm                          | length 500mm, rotation angle $360^\circ$                                                                                     |
| 120° adjustable balancing arm      | can adjust torque and damping according to lens load to keep the microscope balanced, Makes operation smooth and comfortable |
| Illumination system                | Dual-channel LED illumination system, continuously adjustable brightness, life span not less than 60,000 hours               |
| Automatic switch                   | The arm is equipped with an automatic power switch device                                                                    |
| Net weight                         | Floor-standing type (H-shaped base) 80kg                                                                                     |



## Upgraded configuration (optional)

|                                             |                                                                                                                                                                                                              |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Binocular tube                              | 0–180° inclinable binocular tube with PD adjustment                                                                                                                                                          |
| Eyepiece                                    | 10X16X20X                                                                                                                                                                                                    |
| Objective Lense (fixed focus)               | F=200mm objective Lense with fine focus, adjustment range 13mm, F=300mm, F=350mm, F=400mm (optional)                                                                                                         |
| VarioDist objective lens                    | F=190–300mm                                                                                                                                                                                                  |
| Ergonomic optical extender                  | 30° angle, and can be integrated with stereo beam splitter                                                                                                                                                   |
| Stereo beam splitter                        | 2:8 or 5:5                                                                                                                                                                                                   |
| Digital camera Adapter                      | Compatible with Canon, Nikon, and Sony DSLR cameras                                                                                                                                                          |
| HD Digital Camcorder adapter                | Compatible with Canon, Sony, and Samsung HD Camcorder                                                                                                                                                        |
| C/CS-Type CCD Adapter                       | 1/3" external beamsplitter                                                                                                                                                                                   |
| Integrated Camera                           | HDMI output, Full HD 1920 × 1080                                                                                                                                                                             |
| Wireless Foot Pedal for DSLR Cameras        | Compatible with Canon DSLR series/Nikon/Sony mirrorless cameras                                                                                                                                              |
| Imaging System                              | Digital HD imaging system (for OS or Windows operating systems)                                                                                                                                              |
| Flash adapter                               | Ring flash and dual-head flash adapter                                                                                                                                                                       |
| Laser Protection Module                     | protection against laser wavelengths of 810nm (fiber laser), 1064nm (semiconductor laser or YAG laser), 2780nm (Er, Cr: YSGG laser), 2940nm (Er: YAG laser), and 10.6 $\mu\text{m}$ (CO <sub>2</sub> laser). |
| Depth of Field Enhancer (Variable Aperture) | Increases depth of field                                                                                                                                                                                     |
| Extended Second Arm                         | Length 950mm, rotation angle $\pm 150^\circ$ , vertical movement $\pm 400\text{mm}$                                                                                                                          |
| HD Imaging Transmission                     | Wireless HD video transmission, Ethernet HD imaging output for clinic solutions                                                                                                                              |