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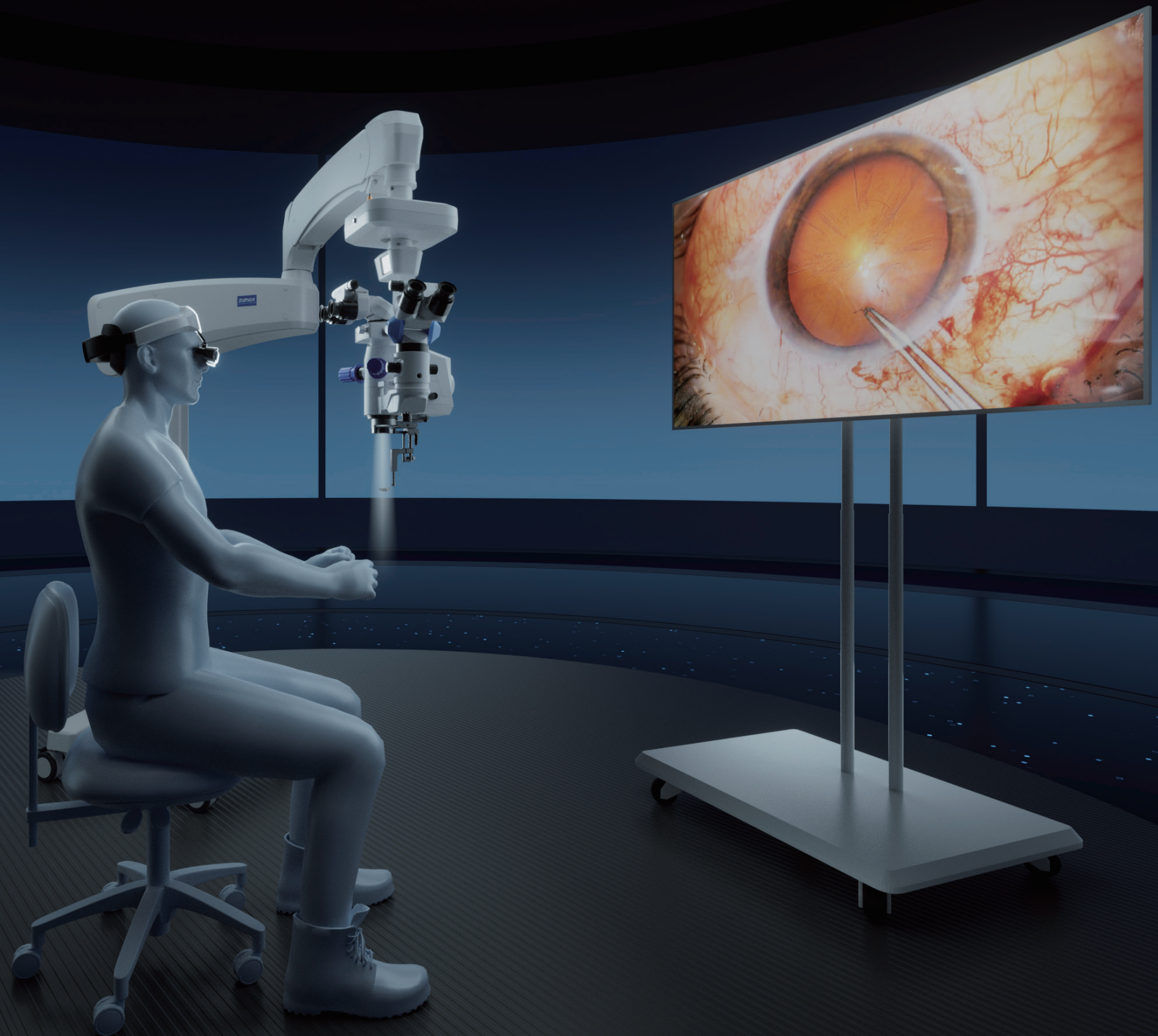
OMS2680

THE FUTURE IN SIGHT

THE FUTURE IN SIGHT

Driven by Vision. Defined by Precision

You dedicate your life to restoring sight; We dedicate ours to perfecting the vision. With integrated Ultra-Light Immersive 4K-3D technology and Exceptional Coaxial Illumination, ZUMAX OMS 2680 is the ultimate partner for anterior segment, such as cataracts and IOLs, and provides advanced visualization for posterior vitreoretinal procedures.



MASTER THE MICRO

Excellent ZUMAX Optics

Apochromatic optical path ensures a high-contrast, high-resolution immersive experience, allowing for the precise capture of every intricate maneuver.

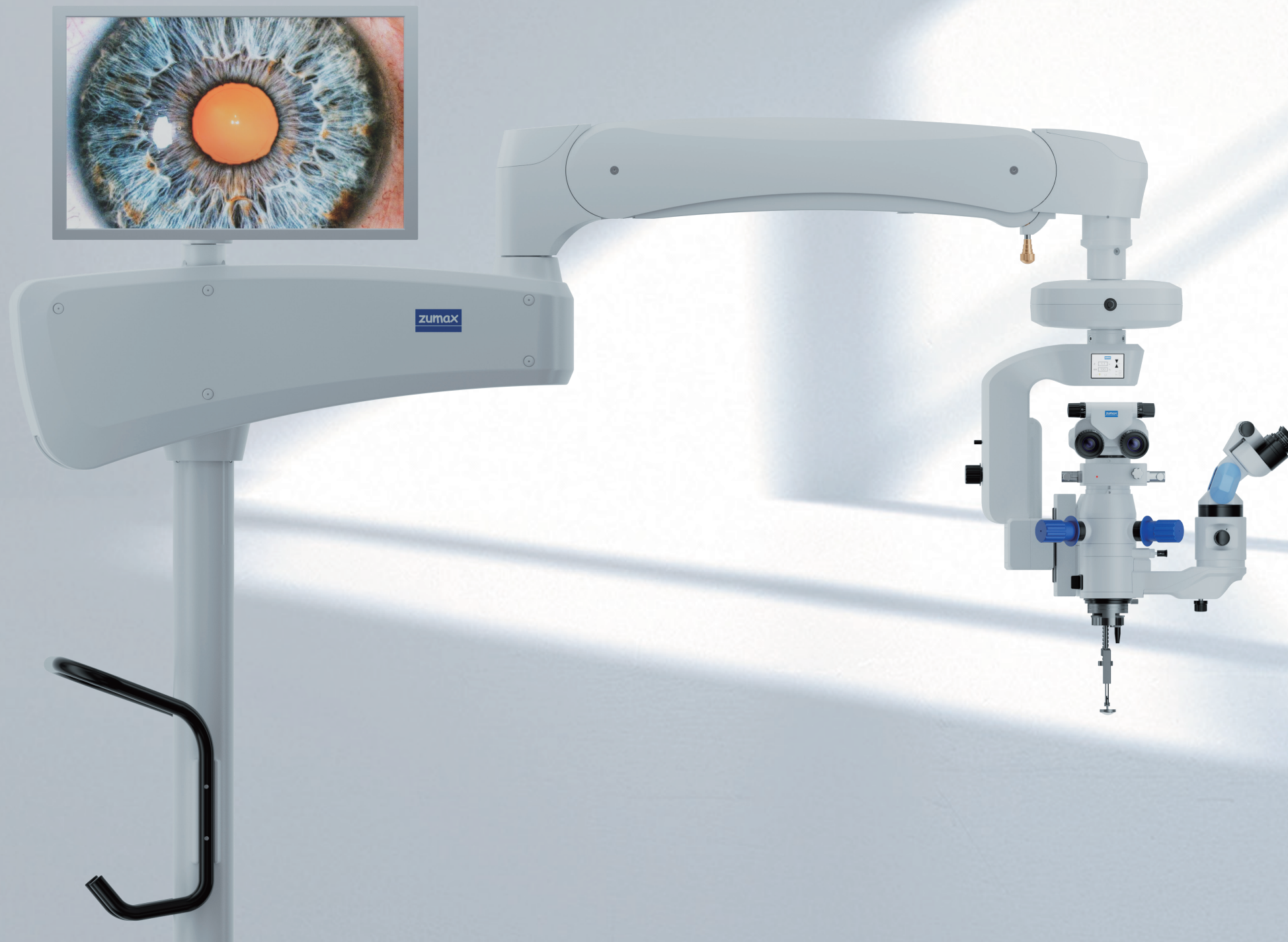
ZUMAX BIOM System

Achieves an intricate, high-contrast view of the retina while maintaining constant focus. Can be used for all types of procedures, considerably reducing reconfiguration.



Independent Assistant Scope

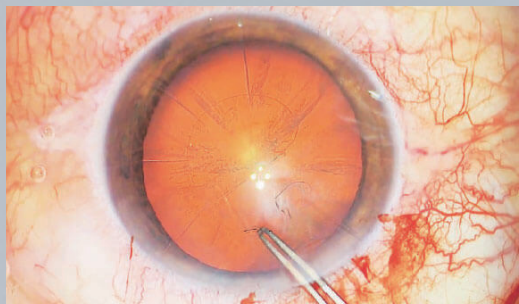
190° variable-angle binocular tube with image inversion system.
Adjustable tilt range for ergonomic positioning.
Independent optical path with five-step magnification.



GENTLE LIGHT POWERFUL INSIGHT

Exceptional Coaxial Illumination

Provides a vivid red reflex with a fully adjustable brightness range.



Patented LED Integrated Illumination Module (Patent No: ZL 2010 1 0229328.2)

Premium medical-grade LED light source,
True-to-life color reproduction, crisp illumination spot,
Imaging quality superior to traditional halogen sources,
Lower energy consumption, extremely long service life,
Safer and more reliable than halogen / xenon lamps,
Silent design — no cooling fan noise.



DEEP IN SIGHT, LIGHT IN FLIGHT



Traditional surgery binds you to the eyepiece or a fixed monitor, leading to cervical strain and restricted movement. ZuVisionX™ 3D HEADBAND shatters these boundaries, merging **optical clarity** with **ergonomic freedom**.

ZuVisionXTM 3D HEADBAND

DSLR-level 3D Experience.
Intelligent Dynamic Safety Design.
Perfect Integration of Internal and External Vision.
Ergonomic and All-day Wear Design.



32 inch Nakedeye 4K3D Monitor

FPGA Core Algorithm Technology.
32-inch 4K3D Ultra-HD Display.
Eyeballtracking technology.
70° Wide Field of View.



SMARTMON LCD DISPLAY

Current microscope settings and status

Available filters

Magnification Factor (0.4x – 2.4x)

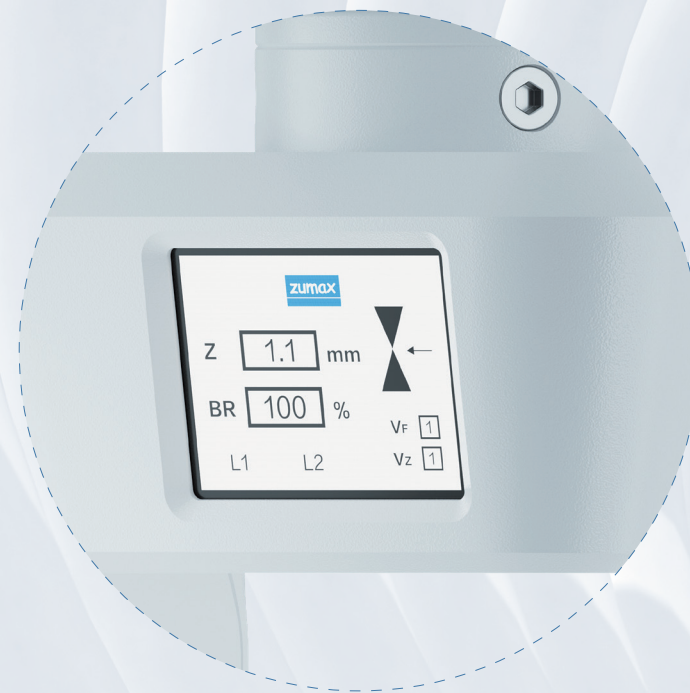
Brightness (10% – 100%)

L1: Main Illumination Indicator

L2: Coaxial Illumination Indicator

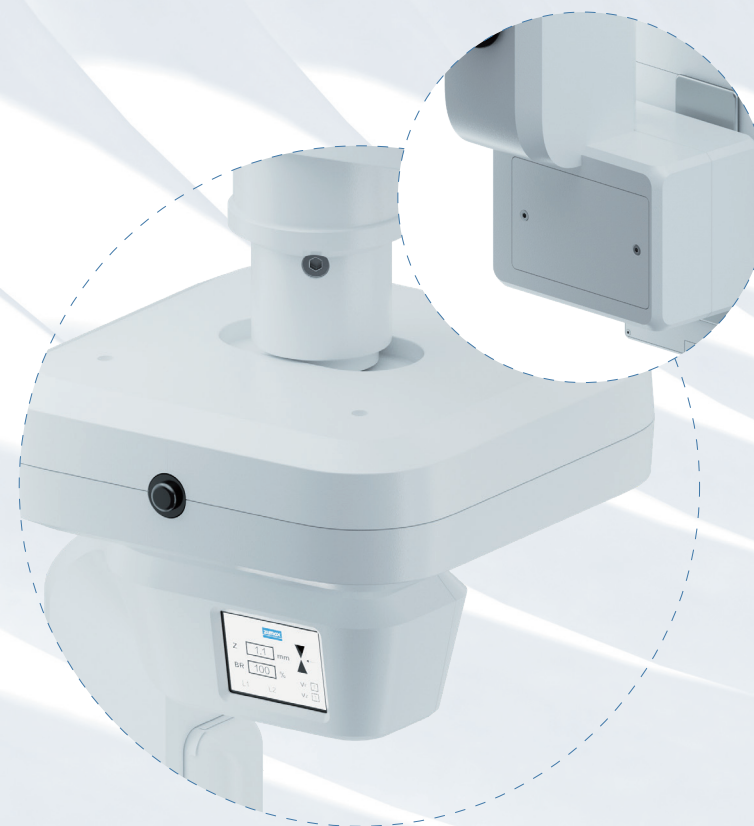
VF: Focus Range Indicator

VZ: Depth-of-field Enhancement Indicator



X-Y-Z Movement

Optional X-Y-Z horizontal movement for precision positioning in cataract/refractive surgery.



Wireless Foot Control

14-function wireless foot pedal for illumination, brightness, zoom, focus, X-Y positioning, filter switching

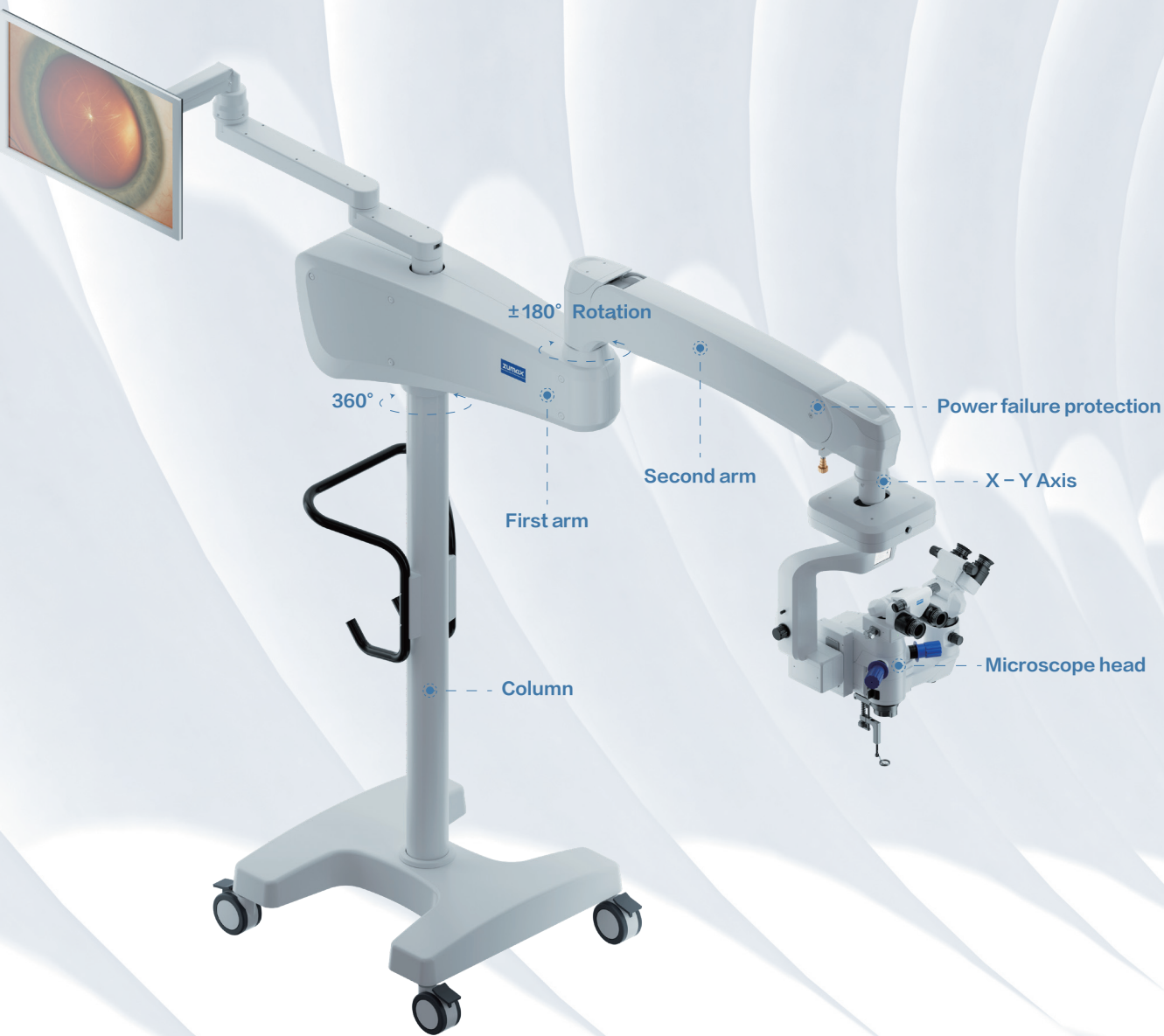
Keeps eyes on surgical field, reduces clutter

Fully configurable to surgeon preferences

- 1 Brightness decrease
- 2 Brightness increase
- 3 X-Y movement
- 4 Light resource switch
- 5 X-Y reset
- 6 Brightness on/off
- 7 Photo/video
- 8 Magnification decrease
- 9 Z axis down
- 10 Magnification increase
- 11 Z axis up



TECHNICAL SPECIFICATIONS



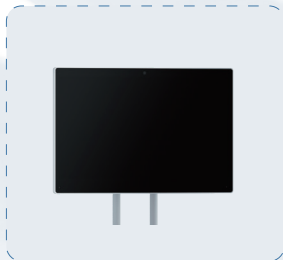
Optional Accessories



ZUMAX Biom System¹



ZuVisionX™ 3D Headband



32-inch 4K3D Ultra-HD Display

¹Not available in some countries/regions, please contact local sale agent in advance.

Main Scope	Motorized zoom, 0.4x – 2.4x
Total Magnification	4.7 × – 28 ×
Assistant Scope	Five-step zoom (0.4 × 0.6 × 1 × 1.6 × 2.4 ×)
Total Magnification (AS)	4.4 × 6.6 × 10.9 × 17.5 × 27.3 ×
Objective Lens	200 mm fixed focal length
Binocular Tubes	170 mm focal length; 190° variable angle (main & assistant)
Interpupillary Distance	55 – 75 mm
Eyepieces	12.5 × , ± 7D diopter
LED Illumination	>50,000 lx (main); >10,000 lx (coaxial) at 200 mm
Light Spot Diameter	50 mm ± 15% at 200 mm
Filters	Black spot filter, blue light filter

Arm System	Floor stand with first and second arms
Second Arm	850 mm, ± 300° rotation, ± 300 mm vertical travel
First Arm	≥500 mm, ± 180° rotation
X-Y-Z Adjustment	≥40 × 40 mm, Z: ≥20mm
Focus Adjustment	≥40 mm

