



HotryMedical



## DOM4000E Operating Microscope

[www.hotryneuro.com](http://www.hotryneuro.com)

# DOM4000E Operating Microscope

## New Generation Optical System

Using a new optical lens technology and apochromatic optical structure, it provides a better depth of field image and a detailed picture with bright, clear and high color reproduction for deep space surgical operations, so that the subtleties of the deep are fully revealed.

## Aerostatic 4000 Damped Balance Arm

With just two fingers, you can easily control the free movement of the entire microscope in three-dimensional space and stable and accurate stagnation.

## Built-in 4K Video Recording System

Save 4K ultra-high-definition image data for precious surgical cases, which can be transmitted and managed through wireless data. Make surgical data management and real-time academic sharing easy.



## Zoom Continuous Zoom System

Provides continuous magnification from **3.6x to 23.3**

## WD180-460 Zoom Objective Lens

The longest working distance can reach **430MM**

## LED Lighting Source

Provide **5500K** color temperature and high brightness pure white light source, the color of the surgical field is true and there is no color difference

## Stronger 3D visualization capabilities

HOTRY DOM4000E adopts a new optical lens technology, which greatly increases the aperture angle value of the sapphire objective lens, thereby significantly increasing the light flux entering the lens within the same working distance, providing surgeons with a clearer optical image and a deeper visualization space.



### Neurosurgery, Head and Neck Surgery, Microsurgery

The DOM4000E still has excellent clarity when operating in deep space, without the need to adjust the microscope or adjust the focus frequently, allowing you to focus more on delicate surgical operations.

### Spine Surgery, Orthopedic Surgery

The large depth of field of the DOM4000E can provide a larger operating space for instruments than other microscope systems when operating on the same position of the lesion, thus providing excellent convenience for spine surgery, orthopedic surgery and other standing surgical operations.

## Light, Stable, more Comfortable



The adjustment and repositioning of the microscope often involves your attention and energy. The Aerostatic 4000 damping balance system is specially developed for this purpose. With a light pinch of two fingers, the entire microscope can move freely in three-dimensional space with lightness and ease. Stable and precise hovering at any angle.

The DOM4000E follows the ergonomic design, and you only need one finger to select functions and zoom in on the microscope during surgery. During surgery, you can perform all operations on the DOM4000E, including positioning and adjustment, without leaving the surgical field.

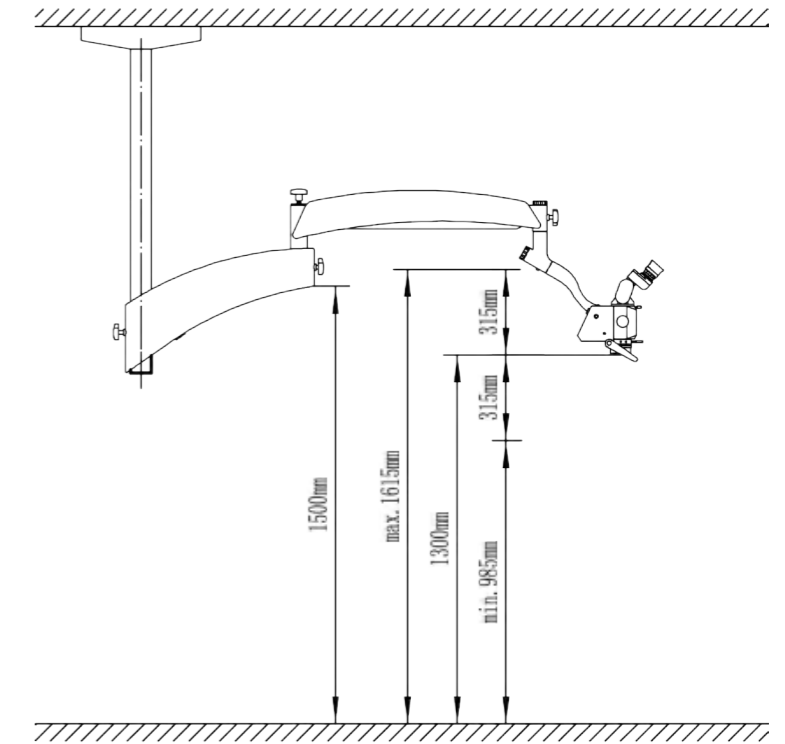
## Technical Parameters

### DOM4000E Operating Microscope

|   |   |
|---|---|
| Optical System:                           | Apochromatic Optical Structure  |
| Zoom System:                              | Continuous Zoom System  |
| Magnification:                            | 3.6x ~ 23.3x  |
| Work Distance:                            | 180mm-430mm   |
| Lighting System:                          | LED high-brightness pure white light source, restore true color, no color difference  |
| Field of View Diameter:                   | 132mm-9.7mm   |
| Binocular Tube:                           | 0-210° continuously adjustable angle binocular tube   |
| Interpupillary distance adjustment range: | 55mm-75mm   |
| Eye Lens:                                 | 12.5x/10x (optional) wide-angle Eye Lens, diopter adjustment range $\pm 7D$   |
| Assistant Lens:                           | Assistant Lens solution (optional): 0-210° continuously adjustable angle binocular tube, beam splitter, 10x/12.5x Eye Lens  |
| Camera System:                            | Built-in 4K ultra-high-definition video recording system, which can be managed and stored via wireless network  |
| Arm System:                               | Aerostatic 4000 damped balance arm for easy manipulation of the microscope with one hand<br>The maximum arm span is 1650mm, the turning radius of the cross arm: 570mm (360° rotation); the turning radius of the spring arm: 850mm, $\pm 100^\circ$ rotation, the up and down movement range of the spring arm: $\pm 300$ mm |
| Bracket System:                           | floor-standingmobile , ceiling-mounted  |

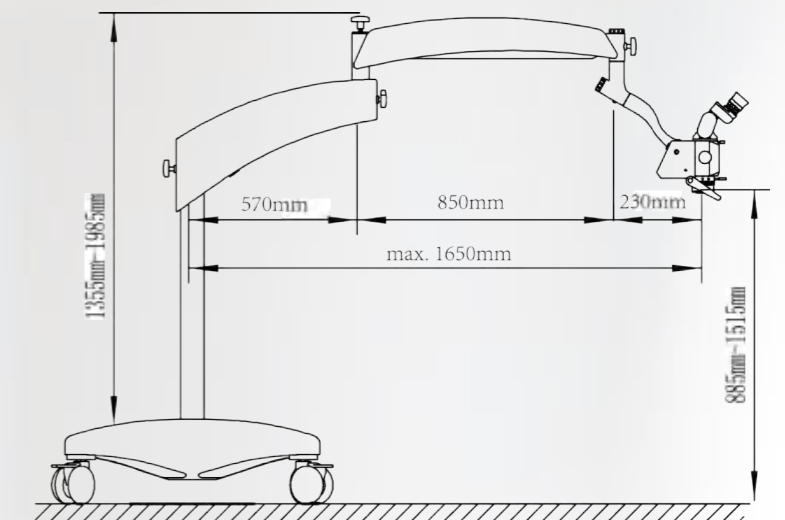
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### DOM4000E Operating Microscope



吊顶式

Ceiling-Mounted



地面移动式

Floor-Standingmobile

## HOTRY<sup>®</sup> DOM4000E Operating Microscope

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