



### Specifications

- Viewing head: Seidentopf trinocular viewing head inclined at 30°, interpupillary 48-75mm, 360° rotation
- C mount: 0.5x C mount for digital camera
- Digital tablet: 10.1" LCD Attachment with integrated display camera, with IMX307, 1/2.8" sensor, 2x2um, 5m Mega pixel, CMOS chip, with USB2.0, HDMI, SD Card Slot, Wifi  
Image: support 5MP image, Video: 2048\*1536@15FPS, built-in with S-EYE image software  
Exposure: Automatic and manual, with target brightness settings available; Exposure time 0-999MS  
White Balance: Auto and Manual and ROI Mode  
Parameter settings Contrast, saturation, brightness, sharpness, noise reduction, etc.
- Eyepiece: A pair of Wide-angle eyepieces WF10x/18mm with fungicidal coating
- Nosepiece: Reversed quadruple revolving nosepiece
- Objectives: All with anti-fungus treatment.  
Achromatic objective 4x/0.10  
Achromatic objective 10x/0.25  
Achromatic objective 40x/0.65, spring  
Achromatic objective 100x/1.25, spring, oil
- Stage: Double layer mechanical stage, with size: 130x140mm, moving range: 75x50mm, Vernier scale on the two axes, accuracy: 0.1mm, with 3D movement on XYZ, Integrated design, coaxial focus system with upper limited and tension adjustment, coarse range: 25mm; fine precision: 0.002mm; provided with an adjustable tightness device to prevent slipping and a mechanical upper limit device
- Focusing: Focus adjustment with 0.1mm resolution, with 3D movement on XYZ, integrated design, coaxial focus system with upper limited and tension adjustment, coarse range: 25mm; fine precision: 0.002mm; provided with an adjustable tightness device to prevent slipping and a mechanical upper limit device
- Condenser: Abbe condenser N.A. 1.25 with iris diaphragm and filter holder
- Illumination: 3W High brightness energy-saving LED illumination for long life, brightness adjustable
- Power: Multi-plug 100-240V, 50/60Hz
- Others: Dust cover, spare fuse, blue, green & yellow filters, immersion oil

### Optional Accessories

| Cat. Number | Descriptions   |
|-------------|--|
| BM3101001   | Monocular head   |
| BM3101002   | Binocular head   |
| BM3101003   | Trinocular head  |
| BM3101004   | WF10x/20mm eyepiece  |
| BM3101005   | WF10x/20mm eyepiece, with micrometric                        |
| BM3101006   | WF10x/20mm eyepiece, with pointer                            |
| BM3101008   | WF16x/11mm eyepiece  |
| BM3101009   | WF20x/10mm eyepiece  |
| BM3101009   | Quadruple nosepiece  |
| BM3101010   | Quadruple nosepiece  |
| BM3101011   | Achromatic objective 4x/0.10                                 |
| BM3101012   | Achromatic objective 10x/0.25                                |
| BM3101013   | Achromatic objective 20x/0.40                                |
| BM3101014   | Achromatic objective 40x/0.65, spring loaded                 |
| BM3101015   | Achromatic objective 60x/0.85, spring loaded                 |
| BM3101016   | Achromatic objective 100x/1.25, spring loaded, oil           |
| BM3101017   | Semi-plan achromatic objective 4x/0.10                       |
| BM3101018   | Semi-plan achromatic objective 10x/0.25                      |
| BM3101019   | Semi-plan achromatic objective 20x/0.40                      |
| BM3101020   | Semi-plan achromatic objective 40x/0.65, spring loaded       |
| BM3101021   | Semi-plan achromatic objective 60x/0.85, spring loaded       |
| BM3101022   | Semi-plan achromatic objective 100x/1.25, spring loaded, oil |
| BM3101023   | Plan achromatic objective 4x/0.10                            |
| BM3101024   | Plan achromatic objective 10x/0.25                           |
| BM3101025   | Plan achromatic objective 20x/0.40                           |
| BM3101026   | Plan achromatic objective 40x/0.65, spring loaded            |

| Cat. Number | Descriptions   |
|-------------|--|
| BM3101027   | Plan achromatic objective 60x/0.80, spring loaded  |
| BM3101028   | Plan achromatic objective 100x/1.25, spring loaded, oil  |
| BM3101029   | Plan darkfield objective 100x with iris diaphragm for oil dark field condenser   |
| BM3101030   | Plan phase contrast achromatic objective 10x/0.25  |
| BM3101031   | Plan phase contrast achromatic objective 20x/0.40  |
| BM3101032   | Plan phase contrast achromatic objective 40x/0.65  |
| BM3101033   | Plan phase contrast achromatic objective 100x/1.25   |
| BM3101034   | NA 1.25, 100x/1.25, oil, with Iris Diaphragm   |
| BM3101035   | Dark field condenser (dry)   |
| BM3101036   | Dark field condenser (Oil)   |
| BM3101037   | Simple Polarising set  |
| BM3101038   | Turret phase contrast set, including turret phase contrast condenser, plan phase contrast objectives 4x, 20x, 40x & 100x, with centering telescope & green filter  |
| BM3101039   | 0.35x C-Mount lens for digital camera  |
| BM3101040   | 0.5x C-Mount lens for digital camera   |
| BM3101041   | 0.75x C-Mount lens for digital camera  |
| BM3101042   | 1x C-Mount lens for digital camera   |
| BM3101043   | Rechargeable device  |
| DWTA001     | 9.5" LCD Attachment with integrated display camera, with IMX307, 1/2.8" sensor, 2x2um, 5m Mega pixel, CMOS chip, 1x USB2.0 port for connecting USF flash drive/mouse, 1x USB2.0 port for connecting screen monitor, 1x HDMI port for connecting to computer, 1x HDMI port to connect to screen monitor, Image: 1920x1080@30FPS, Video: 1920x1080@30FPS, built-in with image software DP1 tablet with 10.5" touchscreen, integrated with 4K BMP camera, 1/2" sensor, 2.0xZoom, CMOS chip, with 1x HDMI port, 2x USB3.0 port, 1x USB2.0 port, 1x Gigabit Lan port, 2.4GHz/5GHz dual-band WiFi, support WiFi6, Support Bluetooth 5.0, Image: 300x3840@2160, support 1080 video, with Android OS system, built-in image process software |
| DITA001     | Various digital camera optional (please refer to ICOE digital camera brochure)   |
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