**Specifications for Polarizing Microscope for Transmitted light studies with Digital Camera**

|  |  |
| --- | --- |
| Size and weight | With A/B module ~ 456 mm height, 220 mm width, 396 mm depth, weight ~12 kg |
| Nosepiece | 4x (M25), centerable |
| Eyepieces, usable field of view (FOV) | 20 mm FOV |
| Illumination incident and transmitted | High-power LED |
| Incident light axis | Manual, fixed brightfield beamsplitter |
| Incident light | Polarization contrast, Brightfield, Oblique illumination |
| Transmitted light axis | Manual condenser operation with color-coded diaphragm assistant (CDA) |
| Magnification | 4X/0.10 or 5X/0.10, 10X/0.25 and 40X/0.65 |
| Transmitted light | Polarization contrast, Orthoscopy, Conoscopy, Brightfield, Phase contrast, Darkfield |
| Stage | Fixed 360° rotatable polarization stage with verniers and brake |
| Focus drive | 17-mm stage stroke |
| Conoscopy | Bertrand lens module (AB module), A/B module with focusable Bertrand lens |
| Analyzer | Fixed analyzer, 180° rotatable analyzer, 360° rotatable analyzer |
| Polarizer | 360° polarizer for incident light, 360° polarizer for transmitted light, Fixed polarizer with lambda plate, Fixed polarizer with 0°, 45° and 90° positions, 90° polarizer with rotatable lambda plate, Polarizer in holder for transmitted light |
| Compensators | l, l/4, quartz plate (0.-4. Order), tilting compensators |
| Digital Camera & SW Kit | colour digital microscope camera, resolution 2048x1536 pixels, 3.1 Mpixels, CMOS sensor progressive scan |