



BA310 Series

# BA310 LED Digital





BA310 Series

## BA310 LED Digital

|                                      |   |
|--------------------------------------|---|
| <b>Optical system</b>                | Colour Corrected Infinity Optical System (CCIS®)  |
| <b>Observation tube</b>              | Binocular head, Siedentopf type with Built-in digital camera  |
| <b>Sensor type</b>                   | CMOS  |
| <b>Sensor size</b>                   | 1/2.8"  |
| <b>Capture resolution</b>            | 5MP   |
| <b>Live display mode through USB</b> | 2592x1944 pixels  |
| <b>Data transfer</b>                 | USB 2.0   |
| <b>Inclination</b>                   | 30° inclined, 360° rotating   |
| <b>Interpupillary distance</b>       | 55-75mm   |
| <b>Diopter adjustment</b>            | On both eyepieces, +/- 5 diopter  |
| <b>Eyepieces</b>                     | Widefield N-WF10X/20mm with diopter adjustment  |
| <b>Nosepiece</b>                     | Reversed quintuple  |
| <b>Objective classification</b>      | CCIS® EC Plan Achromatic, DIN   |
| <b>Objectives</b>                    | 4X/0.10 (WD 15.9mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.5mm), 100X/1.25/S-Oil (WD 0.15mm)                 |
| <b>Objective mounting thread</b>     | W 4/5"x1/36" (RMS standard)   |
| <b>Stand type</b>                    | Upright   |
| <b>Stage</b>                         | Mechanical stage with built-in low position coaxial stage control with tension adjustment and 2-sample holder |
| <b>Stage size</b>                    | 175x140mm   |
| <b>Travel range X&amp;Y</b>          | 76x50mm   |
| <b>Condenser</b>                     | Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders                         |
| <b>Diaphragm</b>                     | Iris diaphragm  |
| <b>Focus mechanism</b>               | Coaxial coarse and fine focusing system with tension adjustment   |
| <b>Fine focus precision</b>          | 2µm   |
| <b>Focusing stroke</b>               | 20mm  |
| <b>Upper limit stop</b>              | Upper limit stop preset but adjustable  |
| <b>Filter holder</b>                 | On top of the illuminator with fixing cap   |
| <b>Transmitted illumination</b>      | Koehler LED 3W with intensity control   |
| <b>Software</b>                      | Motic Images Plus 3.1 for Windows 10, MAC OSX10.9, Linux UBUNTU1604 or higher                                 |
| <b>Transformer</b>                   | Internal  |
| <b>Power supply</b>                  | 100-240V (CE)   |
| <b>Dimensions LxWxH</b>              | 400x220x458mm   |
| <b>Net weight</b>                    | 8.8kg   |