



BA310E Series

BA310E TRINOCULAR













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Inclination 30° inclined, 360° rotating Trinocular light split 100:0/20:80 or 100:0/0:100 Interpupillary distance 48-75mm Diopter adjustment On both eyepieces, +/- 5 diopter Eyepieces Widefield N-WF10X/20mm with diopter adjustment Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 4X/0.10 (WD 15.9mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.5mm), 10X/1.25/S-Oil (WD 0.15mm) Objective mounting thread W 4/5'x1/36' (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Optical system	Colour Corrected Infinity Optical System (CCIS®)
Trinocular light split 100:0/20:80 or 100:0/0:100 Interpupillary distance 48-75mm Diopter adjustment On both eyepieces, +/- 5 diopter Eyepieces Widefield N-WF1DX/20mm with diopter adjustment Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 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) Objective mounting thread W.4/5'x1/36' (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Observation tube	Trinocular head, Siedentopf type, 360° swiveling
Interpupillary distance Diopter adjustment On both eyepieces, +/- 5 diopter Eyepieces Widefield N-WF10X/20mm with diopter adjustment Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 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) Objective mounting thread W 4/57.1/36" (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder Tonsmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 480x220x400mm	Inclination	30° inclined, 360° rotating
Diopter adjustment Eyepieces Widefield N-WF10X/20mm with diopter adjustment Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 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) Objective mounting thread W 4/5*x1/36" (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage ize 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH Dimensions LxWxH Dimensions LxWxH A00x220x400mm	Trinocular light split	100:0/20:80 or 100:0/0:100
Experieces Widefield N-WF10X/20mm with diopter adjustment Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 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) Objective mounting thread W 4/5"x1/36" (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Internal Power supply Accessories included <td>Interpupillary distance</td> <td>48-75mm</td>	Interpupillary distance	48-75mm
Nosepiece Reversed quintuple Objective classification CCIS® EC Plan Achromatic, DIN Objectives 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) Objective mounting thread W 4/5"x1/36" (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Diopter adjustment	On both eyepieces, +/- 5 diopter
Objective classification CCIS® EC Plan Achromatic, DIN 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) Objective mounting thread W 4/5*x1/36* (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit st	Eyepieces	Widefield N-WF10X/20mm with diopter adjustment
AX/0.10 (WD 15.9mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.5mm), 100X/1.25/S-0il (WD 0.15mm) Objective mounting thread W 4/5*x1/36* (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage ize 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders liris diaphragm Iris diaphragm Frocus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2μm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Nosepiece	Reversed quintuple
100X/1.25/S-0il (WD 0.15mm) Objective mounting thread W 4/5*x1/36* (RMS standard) Stand type Upright Stage Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2μm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Objective classification	CCIS® EC Plan Achromatic, DIN
Stage Upright Mechanical stage with built-in low position rackless coaxial stage control with tension adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Objectives	
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Adjustment and sample holder Stage size 180x170mm Travel range X&Y 80x55mm Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Stand type	Upright
Travel range X&Y 80x55mm Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Stage	
Condenser Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders Diaphragm Iris diaphragm Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2μm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Stage size	180x170mm
DiaphragmIris diaphragmFocus mechanismCoaxial coarse and fine focusing system with tension adjustmentFine focus precision2μmFocusing stroke20mmUpper limit stopUpper limit stop preset but adjustableFilter holderOn top of the illuminator with fixing capTransmitted illuminationKoehler Quartz halogen 6V/30W with intensity controlIllumination interchangeabilityQuartz halogen 6V/30W or LED 3WTransformerInternalPower supply100-240V (CE)Accessories includedDust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screwDimensions LxWxH400x220x400mm	Travel range X&Y	80x55mm
Focus mechanism Coaxial coarse and fine focusing system with tension adjustment Fine focus precision 2μm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Condenser	Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders
Fine focus precision 2µm Focusing stroke 20mm Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Diaphragm	Iris diaphragm
Focusing stroke Upper limit stop Upper limit stop preset but adjustable Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw 400x220x400mm	Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Upper limit stop Upper limit stop preset but adjustable On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Ullumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw 400x220x400mm	Fine focus precision	2μm
Filter holder On top of the illuminator with fixing cap Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw 400x220x400mm	Focusing stroke	20mm
Transmitted illumination Koehler Quartz halogen 6V/30W with intensity control Illumination interchangeability Quartz halogen 6V/30W or LED 3W Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Upper limit stop	Upper limit stop preset but adjustable
Transformer Internal 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw 400x220x400mm	Filter holder	On top of the illuminator with fixing cap
Transformer Internal Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Transmitted illumination	Koehler Quartz halogen 6V/30W with intensity control
Power supply 100-240V (CE) Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Illumination interchangeability	Quartz halogen 6V/30W or LED 3W
Accessories included Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, spare fuse, cord hanger, thumb screw Dimensions LxWxH 400x220x400mm	Transformer	Internal
hanger, thumb screw 400x220x400mm	Power supply	100-240V (CE)
	Accessories included	
Net weight 8.6kg	Dimensions LxWxH	400x220x400mm
	Net weight	8.6kg