

I-SCOPE

MICROSCOPE

I - SCOPE OPTICS JAPAN

www.i-scopeoptics.com



BN10 LED

Specification

Viewing Head	Monocular Head, Inclined at 45°, 360° Rotatable
Nosepiece	Quadruple Nosepiece
Eyepiece	Wide Field Eyepiece WF10X
Objective	Achromatic Objective 4×, 10×, 40×(S), 100×(S)
Stage	Double Layers Mechanical Stage 110×120mm
	Moving Range : 70×20mm
Focusing	Coaxial Coarse and Fine Adjustment
Condenser	Abbe NA 1.2 with Iris Diaphragm & Blue Filter, Rack and Pinion Adjustment for Condenser
Illumination	LED Lamp Illumination, Brightness Adjustable

BN104M LED



BN104B LED



BN104T LED



Specification		Model
		BN104 LED
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable	●
Eyepiece	Wide Field Eyepiece WF10X/18mm	●
Nosepiece	Quadruple Nosepiece	●
Objective	Achromatic Objectives 4x, 10x, 40x(s), 100X(s, oil)	●
Stage	Double Layer Mechanical Stage 110x125mm	●
Focusing Adjustment	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 36mm	●
Condenser	Abbe Condenser NA1.25 with Diaphragm, Filter	●
Illumination	3W/LED Brightness Adjustment	●
Optional Accessory	Monocular Head, Inclined at 30°, 360° Rotatable	○
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable	○
	Wide Field Eyepiece WF16X/13mm	○
	Wide Field Eyepiece WF20X/11mm	○
	3W/LED Adjustment, Rechargeable Battery	○
	Semi-Plan Achromatic Objectives 4x, 10x, 40x(s), 100X(s, oil)	○

Mark “●” standard outfit, Mark “○” optional parts

BN107 LED



BN207B LED



BN207T LED



Specification		Model		
		BN107 LED	BN207 LED	BN207T LED
Viewing Head	Sliding type binocular head, Inclined at 45°	●		
	Seidentopf binocular head, Interpupillary distance adjustment range 48~75mm, 360° rotation of eyepiece tube with inclined at 30°		●	
	Seidentopf Trinocular head			●
Eyepiece	WF10X/18mm	●	●	●
Nosepiece	Quadruple, Click-stop	●	●	●
Objective	Achromatic objective: 4x, 10x, 40x(s), 100x(s,oil)	●	●	●
Stage	Double layers mechanical stage, 140mmX132mm/75mmX45mm	●	●	●
Focusing	Coaxial coarse and fine adjustment, Focusing range 30mm, Focusing interval	●	●	●
Condenser	Abbe NA=1.25 with iris diaphragm	●	●	●
Illumination	3W LED, adjustable brightness	●	●	●
Phase contrast kit (10x, 20x, 40x, 100x)		○	○	○
Darkfield condenser (dry or oil)		○	○	○



USB 2.0 Output



DN117D LED

Specification

Specification				Model
				DN117D LED
Viewing Head	Compensation free binocular head, Inclined at 30°, Interpupillary Distance: 48-75mm			●
	Camera System	Valid Pixel	Valid 1280×1024 (1.3M Pixel)	●
		Output Mode	USB 2.0	●
		Operation System	Windows 2000 / XP/ VISTA	●
		Software	ScopelImage 9.0	●
		Range of Viewing Field	90%	●
Eyepiece	WF10X/ 18mm			●
	P16X/ 11mm			○
Nosepiece	Backward Quadruple Nosepiece			●
Objective	Achromatic Objective 4x, 10x, 40x(s), 100x(s,oil)			●
Stage	Double layers mechanical stage 132mm X142mm/ 75mmX40mm			●
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter			●
Focusing	Coaxial coarse & Fine adjustment system,			●
	Range 24mm, Fine division: 0.004mm			●
Illumination	S-LED,Brightness adjustable			●
	Halogen Lamp 6V/ 20W , Brightness adjustable			○
Optional Accessory	Phase Contrast Kit			○
	Dark-Field Attachment			
	Polarization Attachment			

Mark "●" standard outfit, Mark "○" optional parts



IX23 LED

Specification

Viewing Head	Biological microscope with seidentopf binocular head, Interpupillary distance adjustment range 48~75mm	
Eyepiece	WF10X	
Nosepiece	Quadruple, Click-stop	
Objective	Achromatic objective: 4x, 10x, 40x(s), 100x(s,oil)	
Stage	Wire movement mechanical fixed stage 132X120mm/76X30mm	
Focusing	Coaxial coarse and fine adjustment, Focusing range 30mm, Focusing interval 0.002mm	
Condenser	Abbe NA=1.25 with iris diaphrame and filter	
Illumination	3W LED, adjustable brightness	
Standard Accessory	* Dust cover	* BGX1-20(1A) fuse
	* Blue filter	* Immersion oil
	* Instruction manual in English	



BN209 LED

Specification		Model
		BN209 LED
Viewing Head	30° inclined binocular head, interpupillary distance: 50-75mm, ± 5 diopter adjustable	●
Eyepiece	Wide field plan eyepiece PL10X/18mm	●
Nosepiece	Quadruple	●
Objective	Achromatic objective: 4x, 10x, 40x(s), 100x(s,oil)	●
Stage	140mmX132mm double layers mechanical stage, moving range: 50mmX76mm, precision: 0.1mm.	●
Condenser	N.A.1.25 Abbe condenser with iris diaphragm	●
Focusing Adjustment	Coaxial coarse and fine adjustment, with coarse adjustment stop and tightness adjustment, range: 25mm, precision: 0.002mm	●
Illumination	3W LED, center presetting, intensity adjustable, external wide voltage adaptor, 100V-240V_AC50/60Hz input, DC12V 2A output.	●
Optional Accessory	Trinocular head, splitting ratio R: T=80:20	○



Phase Contrast Kit

**I-SCOPE
300AT-PH**

Specification		I-SCOPE 300AT-PH
Optical System	Infinity Optical System	●
Viewing Head	Compensation Free Trinocular Head, 30° Inclined, Interpupillary 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10X/20mm	●
Nosepiece	Quadruple Nosepiece	●
Objective	Infinity Plan Achromatic Objectives 4x, 10x, 40x, 100x	●
Stage	Double Layers Mechanical Stage 140mm×132mm/76mm×50mm	●
Focusing Adjustment	Coaxial Coarse & Fine Adjustment, Moving Range 25mm	●
Condenser	Sliding-in centerable condenser NA1.25	●
Illumination	3W LED, Brightness Adjustable	●
Phase Contrast	Phase Contrast Kit (10x,20x,40x,100x)	●



**I-SCOPE
300LCD**

Specification		I-SCOPE 300LCD
Optical System	Infinity Optical System	●
Viewing Head	Compensation Free Trinocular Head, 30° Inclined, Interpupillary 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10X/20mm	●
Nosepiece	Quadruple Nosepiece	●
Objective	Infinity Plan Achromatic Objectives 4x, 10x, 40x, 100x	●
Stage	Double Layers Mechanical Stage 140mm×132mm/76mm×50mm	●
Focusing Adjustment	Coaxial Coarse & Fine Adjustment, Moving Range 25mm	●
Condenser	Sliding-in centerable condenser NA1.25	●
Illumination	3W LED, Brightness Adjustable	●
LCD Screen	9.7 Inch TFT Touching Screen	●
Operation System	Android 5.1	●
Output	USB2.0, HDMI, TF card, built-in WIFI	●
Valid Pixel	5.0M Pixel	●
Software	S-EYE	●



**I-SCOPE
300FLU-LCD**

Specification		I-SCOPE 300FLU-LCD
Optical System	Infinity Optical System	●
Viewing Head	Compensation Free Trinocular Head, 30° Inclined, Interpupillary 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10X/20mm	●
Nosepiece	Quadruple Nosepiece	●
Objective	Infinity Plan Achromatic Objectives 4x, 10x, 40x, 100x	●
Stage	Double Layers Mechanical Stage 140mm×132mm/76mm×50mm	●
Focusing Adjustment	Coaxial Coarse & Fine Adjustment, Moving Range 25mm	●
Condenser	Sliding-in centerable condenser NA1.25	●
Illumination	3W LED, Brightness Adjustable	●
LCD Screen	9.7 Inch TFT Touching Screen	●
Operation System	Android 5.1, 5.0M Pixel, Software of S-EYE	●
Output	USB2.0, HDMI, TF card, built-in WIFI	●
LED fluorescent reflected illumination	B band-pass type fluorescence module, with intensity adjusting knob, and switch knob for bright field and fluorescence	●



**I-SCOPE
MV510-TH**

Specification		Model
		I-SCOPE MV510-TH
Viewing Head	Sliding Trinocular Head, Inclined at 45°	1PCS
	Sliding Binocular Head, Inclined at 45°	4PCS
Eyepiece	Wide Field Eyepiece WF10X	10PCS
Nosepiece	Quadruple Nosepiece	●
Objective	Achromatic Objective 4x, 10x, 40x(s), 100x(s,oil)	●
Condenser	Abbe Condenser NA1.25	●
Focusing	Coaxial Coarse & Fine Focus Adjustment, Fine Division 0.002mm	●
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●
Illumination	S-LED Illumination, Brightness Adjustable	●
	Halogen Lamp 24V/50W	○
Pointer	Green LED Pointer , Brightness Adjustable	●



Attachable
Mechanical Stage

**I-SCOPE
PM5000BN**

Specification

Viewing Head	Seidentopf Binocular Head, 30° Inclined, 360°Rotation	
	Interpupillary Distance : 48mm ~ 76mm	
Eyepiece	WF10X/22mm, WF10X/22 mm (Reticule 0.1mm)	
Nosepiece	Quintuple (Center Adjustable)	
Polarizing Unit	Analyzer Rotatable 360°, Module Type, Can Be Locked	
	Bertrand lens, Built In Center Adjustable	
Slip	λ , First class red	1/4 λ
Quartz Wedge	(I -IV Class)	
Objectives	Non-stress Infinite Plan Objective: 4x, 10x, 20x, 40x(s)	
Revolving Round Stage	Rotatable 360°, Center Adjustable, Division 1°, Vernier division 6'	
Swing-out Condenser	N.A.0.9/0.13, Polarizing Unit (With scale, Rotatable 360°, Can be locked)	
Coaxial Coarse and Fine Focusing Unit	Coarse Stroke 25mm, Fine Stroke Per Rotation:0.2mm,Fine Division 2 μ m	
Transmitting Illumination	5W LED Lamp	

Optional Accessory:

- * Filter (Amber, Green, Neutral)
- * Digital Camera
- * Attachable Mechanical Stage



Attachable
Mechanical Stage

**I-SCOPE
PM5000TN**

Specification

Polarizing Seidentopf Trinocular Head	30° Inclined, 360°Rotation
	Interpupillary Distance : 48mm ~ 76mm
	Light Distribution 100: 0 (100% for eyepiece)
Eyepiece	WF10X/20mm, WF10X/20 mm (Reticule 0.1mm)
Nosepiece	Quintuple (Center Adjustable)
Polarizing Unit	Analyzer Rotatable 360°, Module Type, Can Be Locked Bertrand lens, Built In Center Adjustable
Slip	λ , First class red $1/4\lambda$
Quartz Wedge	(I -IV Class)
Objectives	Non-stress Infinite Plan Objective: 4x, 10x, 20x, 40x(s) Non-stress Infinite LWD Plan Objective: 50x(s)
Revolving Round Stage	Rotatable 360°, Center Adjustable, Division 1°, Vernier division 6'
Swing-out Condenser	N.A.0.9/0.13, Polarizing Unit (With scale, Rotatable 360°, Can be locked)
Coaxial Coarse and Fine Focusing Unit	Coarse Stroke 25mm, Fine Stroke Per Rotation:0.2mm,Fine Division 2 μ m
Transmitting Illumination	5W LED Lamp
Reflecting Polarizing Unit	With Field Diaphragm, Aperture Diaphragm , Polarizer, 5W LED Lamp

Optional Accessory:

- * C-MOUNT: 0.5X(Focus Adjustable) , 1.0X
- * Filter (Amber, Green, Neutral)
- * Digital Camera
- * Attachable Mechanical Stage



I-SCOPE MP12



Specification		Model
		I-SCOPE MP12
Image Sensor	12.0M Pixel CMOS Chip	●
Max Pixels	3840X3040 Pixels	●
Interface	USB 2.0	●
	USB 3.0	○
Exposure	Automatic	●
Recording System	Still Picture(JPG,PNG,TIF) and Movie	●
Operating System	Windows/Linux/macOS/Android multi-platform SDK	●
Software		●
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher	
	Memory:2GB or More	
	USB Port:USB2.0 High-speed Port	
	Display:17" or Larger	
	USB Flash Disk	



**I-SCOPE
MV510-LED**

Specification		Model
		I-SCOPE MV510-LED
Viewing Head	Sliding Binocular Head, Inclined at 45°	5PCS
Eyepiece	Wide Field Eyepiece WF10X	10PCS
Nosepiece	Quadruple Nosepiece	●
Objective	Achromatic Objective 4x, 10x, 40x(s), 100x(s,oil)	●
Condenser	Abbe Condenser NA1.25	●
Focusing	Coaxial Coarse & Fine Focus Adjustment, Fine Division 0.002mm	●
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●
Illumination	S-LED Illumination, Brightness Adjustable	●
	Halogen Lamp 24V/50W	○
Pointer	Green LED Pointer , Brightness Adjustable	●



I-SCOPE OPTICS JAPAN

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