











OPTICAL MICROSCOPE

- **METROLOGY** Optical Microscopes come with new innovative design in structural quality, functionality, and accuracy, a total upgrade to satisfy your upmost demand.
- High resolution, sharp image, wide-view eyepiece with adjustable focus. Easy to observe, and operate.
- Multiple modules configuration, can be configured with varies accessories for special requirements, such as data transfer, file editing, geometric element measuring.
- Image data can be imported to computer for saving file, editing, transfer, and calculations. End result can be printed.



- **Applications:**
Inspection & Analysis
Zoology, Phytology, Entomology, Histology, Mineralogy, Archaeology, Geology, Biochemistry, Biology, Agriculture, Forestry, Medical service, Hospital, School education, Eyeglass, Textile, Chemical, Jewelry, Electronics, Metal & non-metal, Industry product, Authenticating documents, Currencies, Jewelries and etc.
- **Assembling & Measuring**
IC electronic, Lead frame, Semiconductor, PC board, Film, Screen printing, Wire-cut EDM, Rubber, Plastic, Precise mold, Dies, Press, Spring, Screw, Tool, Valve, Camera, Bicycle, Motor.

■ Module Base

	Model No.	Description
	OP-1	ϕ 90 , No illumination cast-iron plain base, Cylinder column height: 250mm. Adjustable focus: 45mm
	OP-2	Single adjustable illumination cast-iron base. Square column height: 150mm. Adjustable focus: 70mm(FM) 90mm(ZM)
	OP-3	Double adjustable illumination cast-iron base. Square column height: 150mm. Adjustable focus: 70mm(FM) 90mm(ZM)
	OP-4	No illumination big plain cast-iron base L: 380*250mm, Cylinder column height: 250mm. Adjustable focus: 45mm
	OP-5	No illumination long arm universal stand cast-iron base L: 500mm, Cylinder column height: 500mm. Adjustable focus: 45mm
	OP-6	No illumination X-Y stage. Range: 75*50mm. Cylinder column height: 400mm. Adjustable focus: 45mm
	OP-7	ϕ 90 ,No illumination base, track slide column height: 330mm. Adjustable focus: 200mm
	OP-8	ϕ 90 ,No illumination base, track slide column height: 330mm. Adjustable focus: 200mm, with full travel fine adjustment unit
	OP-9	ϕ 90 , No illumination base, L: 200x150mm linear slide column height: 300mm. Adjustable focus: 100mm
	OP-9L	ϕ 90 , LED base illumination L: 200x150mm linear slide column height: 300mm, Adjustable focus: 100mm

- Stereo Microscope (Zoom Continuous Magnification)
 - Φ90 black and white stage, none illumination, cast iron base, cylinder column height: 250 mm, fine adjustment focus: 45mm
 - 10X large dual eyepiece, adjustable zoom, 0.7X-4.5X, field diameter: 28mm-4mm, working distance: 100mm

Model No.	Magnification	Description
OP-ZM1	7X~45X	Binocular
OP-ZT1		Trinocular CCD device

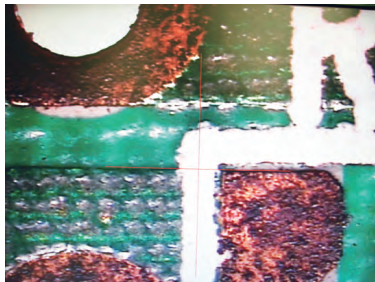
*Changeable eyepiece or combine with objective lenses for higher or lower magnification
*Optional accessories : high brightness adjustable LED ring light



OP-ZM1



OP-ZT1



Optional for image unit:
1/3" CCD.
LED circular light.
Image capture software & cable.

■ Stereo Microscope (Zoom Continuous Magnification)

- Dual adjustable illumination, cast iron base, cylinder column height: 250mm, fine adjustment focus: 45mm
- 10X large dual eyepiece, adjustable zoom, 0.7X-4.5X, field diameter: 28mm-4mm, working distance: 100mm



Model No.	Magnification	Description
OP-ZM3	7X~45X	Binocular
OP-ZT3		Trinocular CCD device

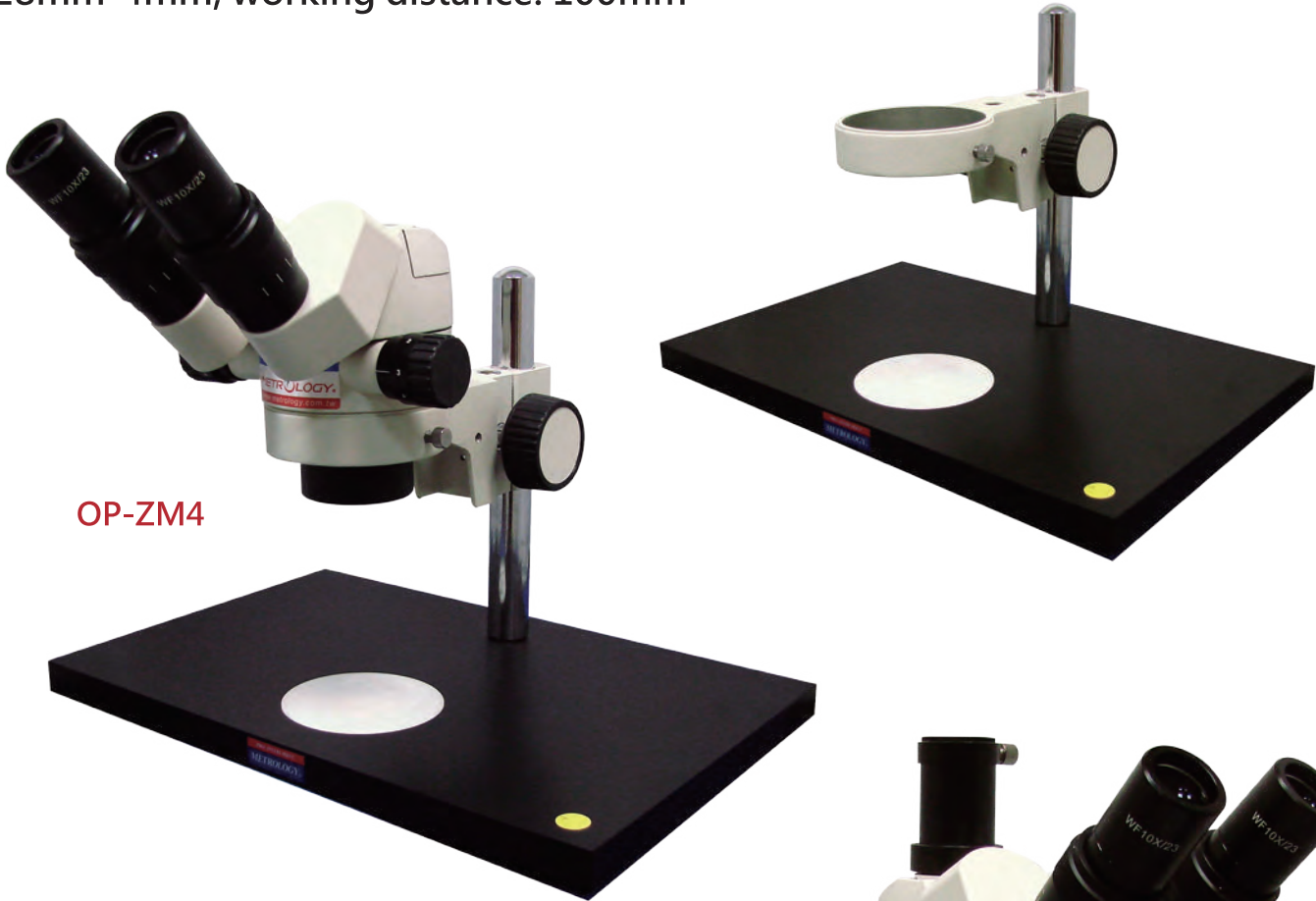
*Changeable eyepiece or combine with objective lenses for higher or lower magnification



Optional for image unit:

1/3" CCD.
LED circular light.
Image capture software & cable.

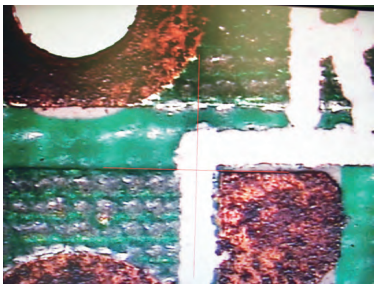
- Stereo Microscope (Zoom Continuous Magnification)
 - Non-illumination, large aluminum base L:380*250mm, cylinder column height: 250mm, fine adjustment focus: 45mm
 - 10X large dual eyepiece, adjustable zoom, 0.7X-4.5X, field diameter: 28mm-4mm, working distance: 100mm



OP-ZM4

Model No.	Magnification	Description
OP-ZM4	7X~45X	Binocular
OP-ZT4		Trinocular CCD device

*Changeable eyepiece or combine with objective lenses for higher or lower magnification
*Optional accessories : high brightness adjustable LED ring light



Optional for image unit:

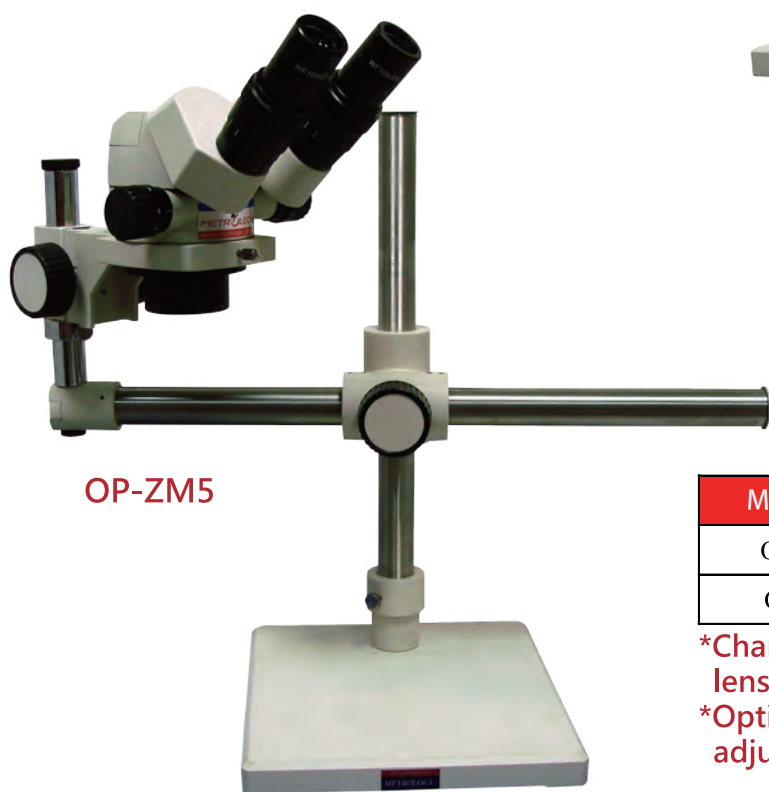
1/3" CCD.
LED circular light.
Image capture software & cable.



OP-ZT4

■ Stereo Microscope (Zoom Continuous Magnification)

- Non-illumination, large arm cast iron base L:250*200mm, cylinder column height: 500mm, fine adjustment focus: 45mm
- 10X large eyepiece lens, adjustable zoom, 0.7X-4.5X, field diameter: 28mm-4mm, working distance: 100mm



OP-ZM5



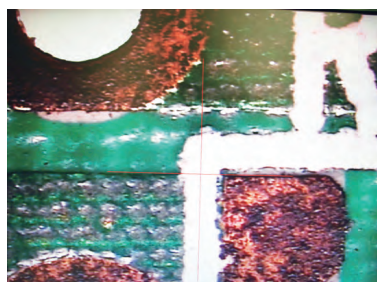
Model No.	Magnification	Description
OP-ZM5	7X~45X	Binocular
OP-ZT5		Trinocular CCD device

*Changeable eyepiece or combine with objective lenses for higher or lower magnification

*Optional accessories : high brightness adjustable LED ring light



OP-ZT5



Optional for image unit:

1/3" CCD.

LED circular light.

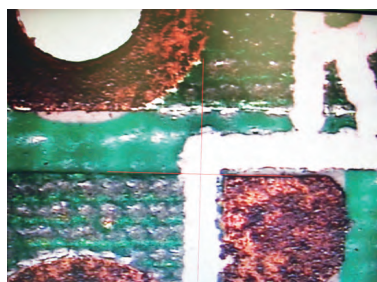
Image capture software & cable.

■ No-eyepiece Image Stereo Microscope
(Zoom Continuous Magnification)

- $\Phi 90$ black and white stage, none illumination, cast iron base, cylinder column height: 250 mm, fine adjustment focus: 45mm
- No eyepiece, adjustable zoom, 0.7X-4.5X, CCD Camera port, working distance: 90mm



Model No.	Magnification
OP-ZTX1	7X~45X



Optional for image unit:

1/3" CCD.

LED circular light.

Image capture software & cable.

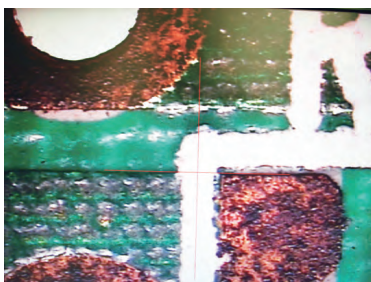
■ Single-eyepiece Image Stereo Microscope (Zoom Continuous Magnification)

- $\Phi 90$ black and white stage, none illumination, cast iron base, cylinder column height: 250 mm, fine adjustment focus: 45mm
- 10X single eyepiece, adjustable zoom, 0.7X-4.5X, CCD Camera port, field diameter: 28mm-4mm, working distance: 90mm



Model No.	Magnification
OP-ZTS1	7X~45X

*Changeable eyepiece for higher magnification



Optional for image unit:

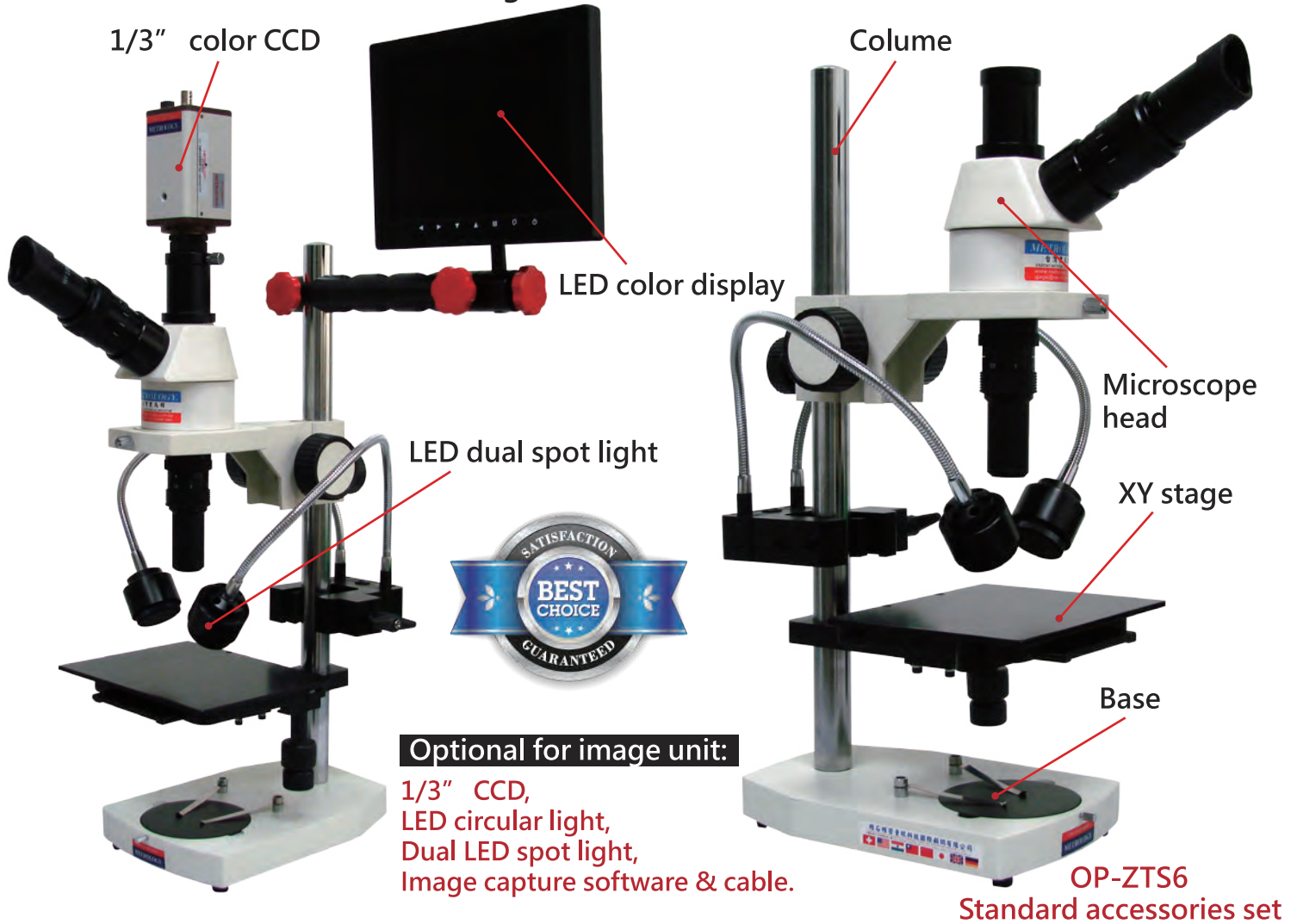
1/3" CCD.

LED circular light.

Image capture software & cable.

■ Sigle-eyepiece Stereo Microscope (Zoom Continuous Magnification)

- Non-illumination, cast iron base, cylinder column height: 600mm, adjustment focus: 45mm
- 10X single eyepiece, adjustable zoom, 0.7X-4.5X, CCD camera port, field diameter: 28mm-4mm, working distance: 90mm



■ 3D Stereo Image Microscope (Zoom)



Technical specifications

Optical system

Total magnification: 3.3X-147X, Zoom body with detents: 0.7X-4.5X, Ratio: 1:6.5, stereo optic observation unit: 35° view angle attachment with 0.75X objective lens, internal LED ring light and laser position indicator. Optional objective lens: 0.3X, 0.5X, 0.75X, 1X, 1.5X, 2X.

8" LCD display

Resolution: 800*600, max: 1024*768, contrast: 300:1, visible angle: 150°, reaction time: ≤ 25 ms, brightness: 250cd/m² with BNC/S-video output

Modular Base

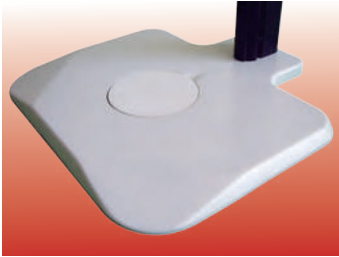
Φ90 non-illumination track slide base, track slide column height: 330mm, fine adjustable focus: 200mm.



■ 3D Stereo Image Microscope (Zoom)



OP-SM9000



Base



Focus adjustment wheel



3D Stereo reflecting mirror



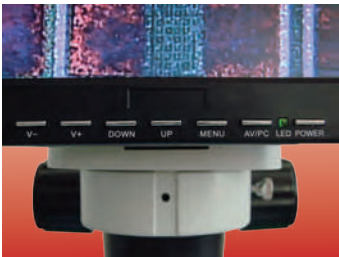
Laser positioner



Objective lens



Optical lens and circular LED light



8" LCD display



Image device



OP-SM9000



■ HDMI Digital Microscope



OP-HDMI300



Optional: HDMI monitor & TF card



OP-HDMI300H

Φ25 *L400mm
Chrome steel column

Adjustment knob
LCD monitor

Zoom continuous
magnification &
focus lens

LED dual spot light

Observation workpiece

Stage

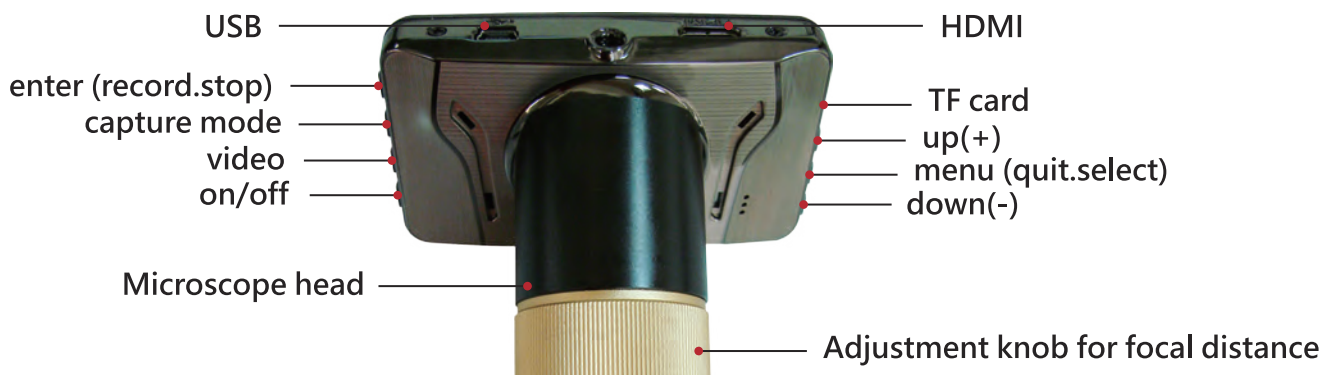
Specifications:

Model No	OP-HDMI300	OP-HDMI300H
Image Sensor	Real 3.0M Pixels	
LCD Display	3"	
Still Image	12M/10M/8M/5M/3M/2M/1.3M/VGA	
Video	1920X1080 (1080P) , 1280X720 (720P) , 848X480 (WVGA) , 640X480 (VGA)	
Focusing Range	30mm-500mm manual focusing	
Max. Height	150mm	350mm (with 50mm fine adjustment)
Working Base	145*79mm	220*150mm stage with Φ 90mm black & white board
Video Format	MOV	
Image Format	JPEG	
Magnification	10X-300X	
Frame Rate	30fps	
Video Output	HDMI 、 USB 、 TF card	
TF Card	Supporting Max. 32G	
Light Source	Double goose neck high brightness LED lights	
Power	100-240V 5V DC	
Interface to PC	USB2.0	
OSD Language	Chinese, English, German, Spanish, French, Russian, Japanese, Korean, Italian, etc	
Operation System	Windows XP/Win7/Win8/Win10	

■ HDMI Digital Microscope

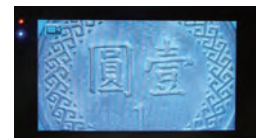
- HDMI digital microscope is the latest generation of optical microscope that combines traditional optical microscope and video lens.
- With functions such as taking photos and videos, it can be connected to an HDMI monitor to make the image clearer and more convenient for multiple people to watch. It can also store files through an SD card, and USB connects to a computer for image file editing and management.
- Application range: inspection, analysis, development and design of production line components in various industries, printing outlets, textile fabric inspection, biological observation, jewelry identification, antiquities determination, skin quality inspection, etc.

Key function

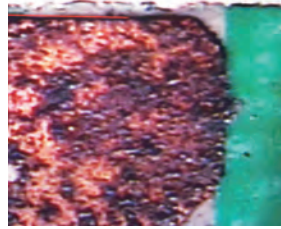


Operation function

1. Normal mode: directly use 3" LCD monitor to view
2. TF card storage function: insert a micro-SD card to store or replay image data on the 3" LCD monitor, or connect to a computer through a USB data cable to view the file content of the SD card. The maximum support capacity of the SD card is 32G
3. HDMI output mode: connect the HDMI interface of the microscope to the monitor with HDMI device, the maximum image quality resolution is 1920*1080
4. USB 2.0 output mode: connect the USB interface of the microscope to a desktop or laptop computer, and install special image editing software, which can capture picture, save, edit, and manage files



■ Biological Microscope



Optional for image unit:

1/3" CCD.
Image capture
software & cable.



OP-BM9001



Eyepiece



4 convertible objective
lens units



X, Y-axis slide
guide & coaxial knob



Coarse & fine
adjustment focus knob.



Table & light
adjustment knob.



ABBE condenser &
IRIS diaphragm



Adjustment Kohler
illumination



Up & down adjustment
knob for condenser

■ Biological Microscope

Product Description:

- Excellent optic performance and stable ergonomic mechanical construction, high efficient, high quality and cost-effective biological microscope.
- **OP-BM9001** Biological Microscope, 30° Binocular head, WF10X/20mm Eyepiece, Infinity PLAN achromatic objectives: 4X, 10X, 40X,100X. 3W high brightness LED light
- **OP-BM9002** Biological Microscope, 30° Trinocular head, WF10X/20mm Eyepiece, 0.5X Video Coupler, Infinity PLAN achromatic objectives: 4X,10X,40X,100X. 3W high brightness LED light

Product Parameters

- **Optical System** : Infinity independent achromatic optical design
- **Observation Tube** : 30° inclined, interpupillary distance 48-75mm, 360°rotatable. Trinocular light is split 20/80 by a high quality coated prism
- **Eyepieces** : 10X, high-eyepoint, field of view Φ20mm
- **Nosepieces** : Inward, four positions, Plan 4X/0.10 WD12.31 ∙ 10X/0.25 WD5.03 ∙ 40X/0.65 ∙ WD0.72 ∙ 100X/1.25 WD0.17(OIL)
- **Focusing System** : Working distance 60mm, coarse: 14mm per-rotation, fine: 0.1mm per rotation, minimum reading: 1 micron
- **Mechanical Stage** : 142mmx135mm platform with X-Y travel of 76mmx52mm, with scale mark and specimen-slide clip
- **Illumination** : Built-in 3W high brightness LED bulb, with field diaphragm provides Kohler type illumination, operated life:60000 hours
- **Electric** : CE approved of electrical parts
- **Condensers** : ABBE condenser NA 1.25 with iris diaphragm

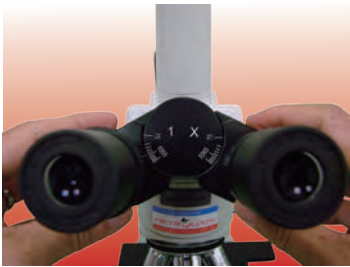
Standard Module

- Wide field 10X lens observation tube
- Infinity PLAN achromatic objectives: 4X,10X,40X,100X
- X, Y-axis slide guide & coaxial knob
- ABBE condenser & IRIS diaphragm
- Adjustment Kohler illumination
- Coaxial coarse & fine adjustment focus knob.
- Optional accessories: dark field ∙ phase difference ∙ polarized light ∙ CCD ∙ measuring software
- Optional lens: objectives: 20X/0.40 WD2.71 60X/0.80 WD0.69 Eyepieces: WF16X/14mm

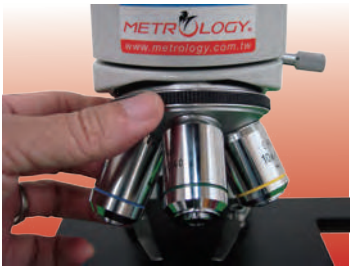
Model No.	Objectives lens	Magnification	Type
OP-BM9001	4X/10X/40X/100X	40X/100X/400X/1000X	Binocular
OP-BM9002	4X/10X/40X/100X	40X/100X/400X/1000X	Trinocular



■ Trinocular Metallurgical Microscope



Eyepiece



4 convertible objective lens units



X, Y-axis slide guide



Coarse & fine adjustment knob.

Standard Module

- Trinocular microscope head with WF 10X/18 eyepiece
- Coaxial illumination cast iron base.
- Infinity plain achromatic convertible objective lens unit.
- CCD connect unit (CCD optional)
- X-Y cross table, stage size: 150*140mm
- 6V 20W halogen light intensity adjustable illumination unit
- Focusing coaxial coarse and fine adjustment unit, fine division: 0.002mm

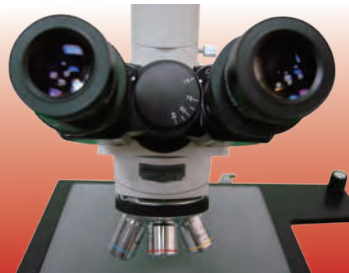
Model No.	Microscope Magnification	X-Y Travel Range	Objective Lens
OP-MM9002	40X/100X/200X/400X	75X50mm	4X/10X/20X/40X



■ Trinocular Metallurgical Microscope



Optional for image unit:
1/3" CCD.
Image capture software & cable.



Eyepiece



Filter & illumination



X, Y-axis slide guide



Coarse & fine
adjustment knob.

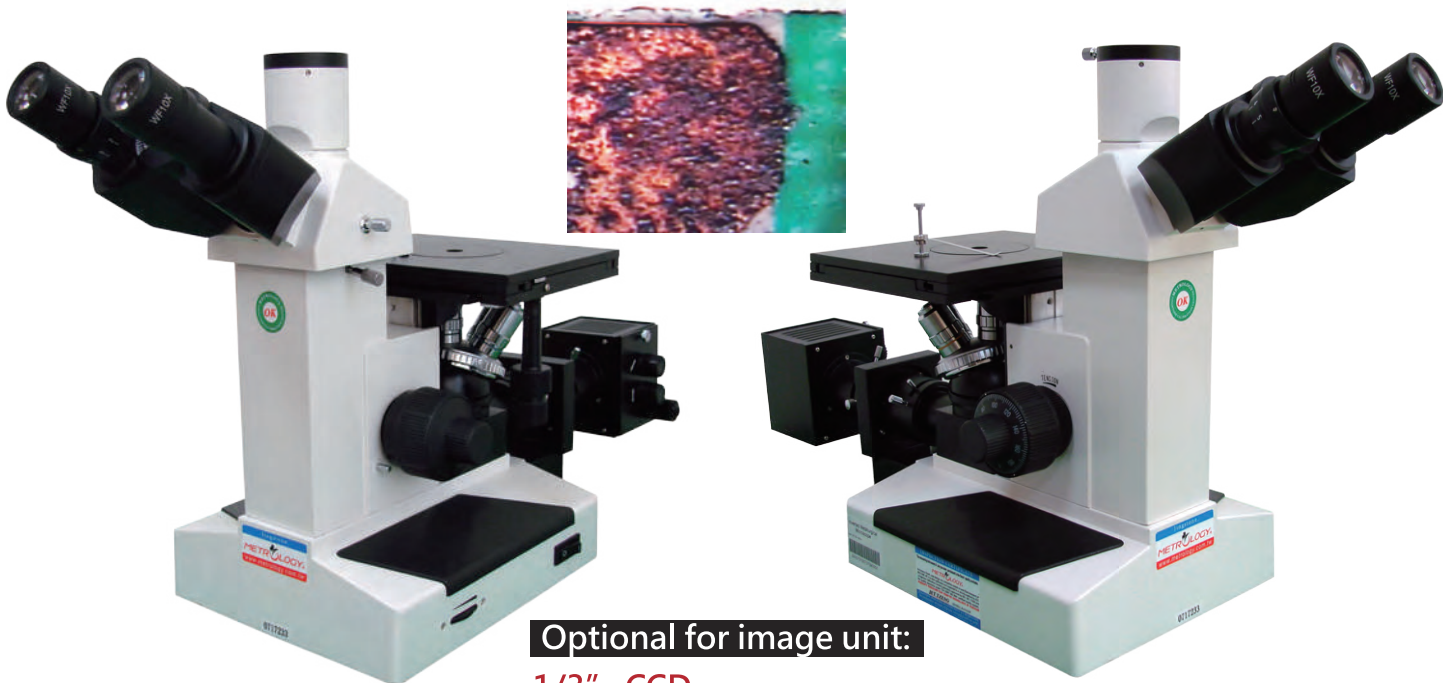
Standard Module

- Extra wide field trinocular microscope head with WF 10X/22 eyepiece
- Coaxial illumination cast iron base.
- Infinity plain achromatic convertible objective lens unit.
- CCD connect unit (CCD optional)
- X-Y cross table, stage size: 300*270mm
- 6V 20W halogen light intensity adjustable illumination unit
- Focusing coaxial coarse and fine adjustment unit, fine division: 0.002mm



Model No.	Microscope Magnification	X-Y Travel Range	Objective Lens
OP-MM9003	40X/100X/200X/400X	250X250mm	4X/10X/20X/40X

■ Inverted Trinocular Metallurgical Microscope



Optional for image unit:

1/3" CCD.

Image capture software & cable.

Standard Module

Model No.	Microscope Magnification	X-Y Travel Range	Objective Lens
OP-IM9000	100X/250X/400X/1000X	15X15mm	10X/25X/40X/100X

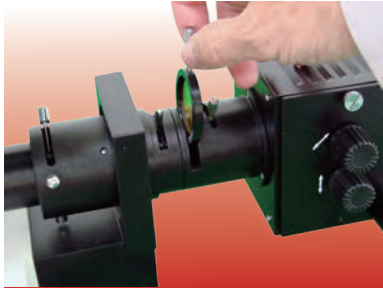
- Trinocular microscope head with WF 10X/18 eyepiece
- Coaxial illumination cast iron base.
- Plain achromatic convertible objective lens unit.
- CCD connect unit (CCD optional)
- X-Y cross table, stage size: 180*150mm
- 6V 20W halogen light intensity adjustable illumination unit
- Focusing coaxial coarse and fine adjustment unit, fine division: 0.002mm



Eyepiece



Field adjustable unit



Filter & illumination



X, Y-axis slide guide



4 convertible objective lens units



Coarse & fine adjustment knob

■ Tool Microscopes



Dual eyepiece & CCD port



Zoom adjustable magnification knob



Adjustable focus knob



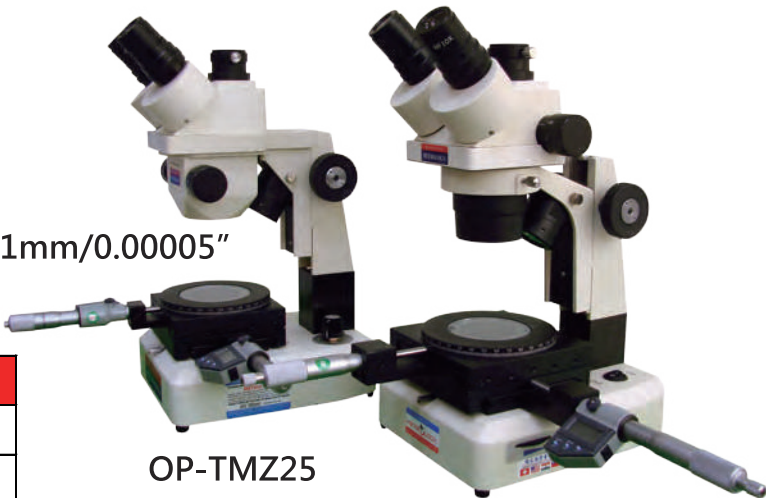
X-Y measuring table and micrometer head.

Standard Module

- Base with LED illumination
- Microscope head
- X-Y measuring stage (included rotary table)
- X-Y digital micrometer head resolution:0.001mm/0.00005"
- 10X Cross-line eyepiece & CCD port

Model No.	Microscope Mag.	Measuring Range
OP-TMZ25	7X~45X	25*25mm
OP-TMZ50		50*50mm

*Changeable eyepiece or combine with objective lenses for higher or lower magnification

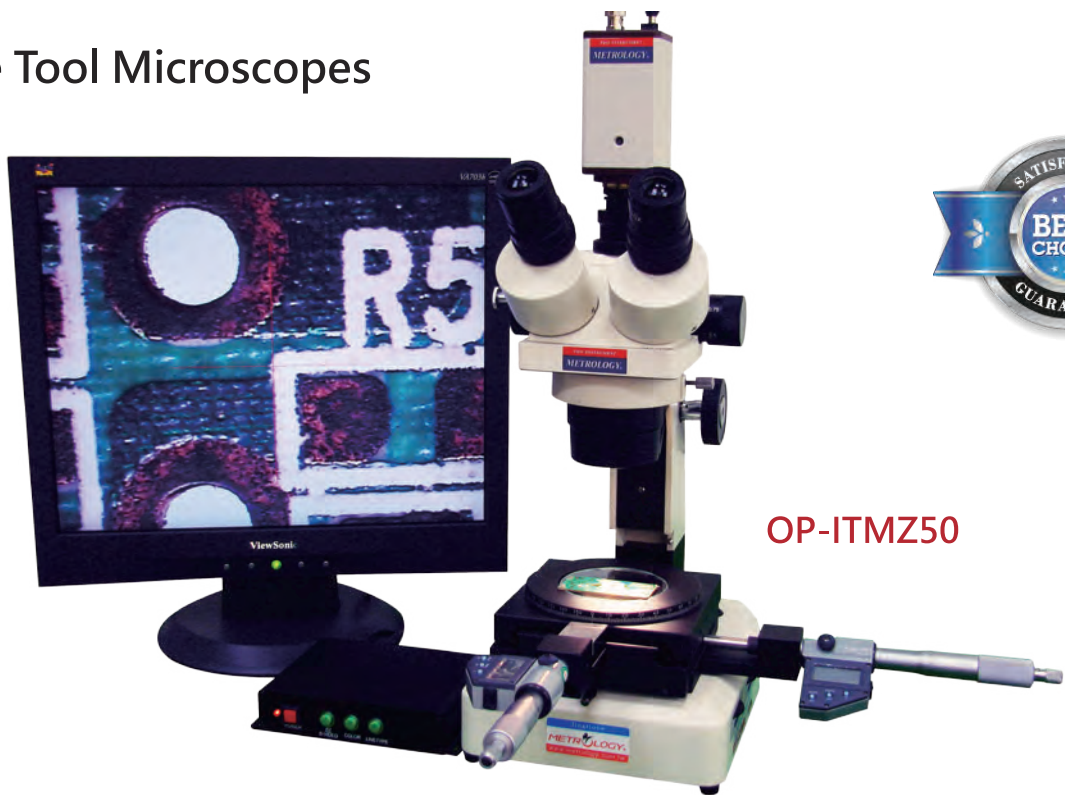


OP-TMZ25

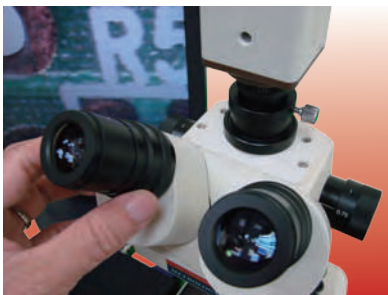
OP-TMZ50

*Above pictures are for reference only, the products are mainly based on real products

■ Image Tool Microscopes



OP-ITMZ50



Dual eyepiece & CCD port



Upper halogen light



Zoom adjustable magnification knob



Adjustable focus knob



X-Y measuring table and micrometer head



X-Y cross-line generator

Standard Module

- Base with LED illumination
- Microscope head
- X-Y measuring stage (included rotary table)
- X-Y digital micrometer head resolution:0.001mm/0.00005"
- Cross-line generator (No. OP-CG2)
- 10X cross-line eyepiece & CCD port
- 1/3" color CCD & 19" LCD color display

Model No.	Microscope Mag.	Measuring Range
OP-ITMZ25	7X~45X	25*25 mm
OP-ITMZ50		50*50 mm

*Changeable eyepiece or combine with objective lenses for higher or lower magnification
*Above pictures are for reference only, the products are mainly based on real products

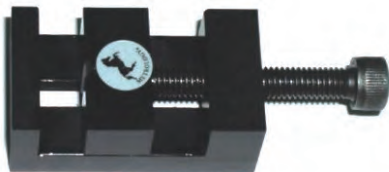
Optical accessories

■ Eyepiece



Model No.	Description
OP-EL10S	10X Small type
OP -EL10L	10X Large type
OP -EL10G1	10X Cross line
OP -EL10G2	10X Cross line with 10mm scale
OP -EL10G3	10X Cross line with angle & radius scale
OP -EL15	15X
OP -EL15 (HM)	15X (for HM only)
OP -EL20	20X

■ Small vise



Model No.	Description
OP-VS	Clamp length : max.18mm

■ V-clamp



Model No.	Description
OP-VC	Clamp dia. : max.Φ18mm

■ Objective lens



Model No.	Description
OP-OL0.3	0.3X (For FM/ZM/M/L)
OP-OL0.5	0.5X (For FM/ZM/M/L)
OP-OL0.6	0.6X (For X/S)
OP-OL1.5	1.5X (For FM/ZM/M/L)
OP-OL2.0	2.0X (For FM/ZM/M/L)

■ Color CCD



Model No.	Description
OP-CCDH	1/3" High resolution color CCD Pixels : 811(H)*508(V) 0.41M
OP-CCDS	1/3" Super high resolution color CCD Pixels : 1280(H)*1024(V) 1.3M

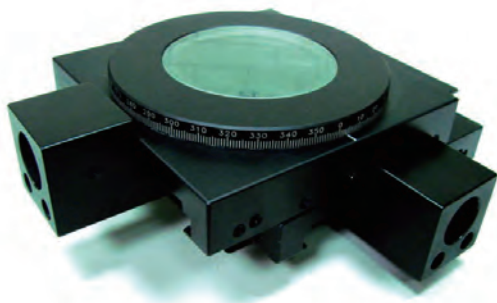
■ Image capture units



Model No.	Description
OP-IC	With cable & software

Optical accessories

■ XY axis-measuring table



Model. No	Measuring Range
OP-XY22	50*50mm

*With rotary table 360°

■ X-Y stage



Model No.	Description
OP-STAGE1	75*50mm Flat plate
OP-STAGE2	75*50mm Light unit
OP-STAGE3	300*250mm Flat plate
OP-STAGE4	300*250mm Light unit

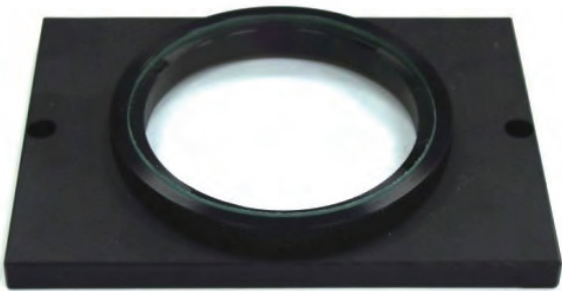
*With XY coaxial adjustment knob

■ Micrometer head



Model No.	Description
OP-MH25	25*25 / 0.01mm
OP-MH50	50*50 / 0.01mm
OP-30F	25*25 / 0.001mm / 0.00005"
OP-31F	50*50 / 0.001mm / 0.00005"

■ Rotary table



Model No.	Description
OP-RT4	Φ100mm
OP-RT6	Φ150mm
OP-RT8	Φ200mm
OP-RT10	Φ250mm
OP-RT12	Φ300mm

*With base plate

■ Cross-line generator



Model No.	Description
OP-CG2	Multi-line style & color, auto-edge.

Optical accessories

Lamp



Model No.	Description
OP-5WBF	5W Fluorescent bulb (Base)
OP-8WCF	5W Fluorescent bulb (Circular)
OP-15WBT	15W Tungsten bulb (Base)
OP-15WTC	15W Tungsten bulb (Cup)

Illuminators



OP-8W



OP-150WD



OP-LED DS



OP-LED GF



OP-LED B



OP-LED

Model No.	Description
OP-8W	8W Circular fluorescent light
OP-150WD	150W Double optical fiber
OP-150WC	150W Circular optical fiber
OP-LED	LED circular light
OP-LED4	Four -zone LED circular light
OP-LEDGF	LED ground glass filter (for OP-LED only)
OP-LEDB	2"x2" LED back light
OP-LED DS	24V DC4W LED dual spot light

Optical accessories

■ Standard glass scale

- High quality optical glass
- Laser calibration/system uncertainty : $(0.2+1.5/1000 \times L)\mu\text{m}$
- Glass expansion co-efficients : $7.2 \times 10^{-6} (-60^{\circ}\text{C} \sim +20^{\circ}\text{C})$ $7.6 \times 10^{-6} (20^{\circ}\text{C} \sim 120^{\circ}\text{C})$



Model No.	Range	Graduation	Accuracy	Size (LxWxT)
OP-SS4	100mm	0.5mm or 1mm	$\pm 1.7\mu\text{m}$	130x36x5mm
OP-SS6	150mm		$\pm 1.8\mu\text{m}$	180x36x5mm
OP-SS8	200mm		$\pm 1.9\mu\text{m}$	230 x36x5mm
OP-SS10	250mm		$\pm 2.0\mu\text{m}$	280 x36x5mm
OP-SS12	300mm		$\pm 2.1\mu\text{m}$	330 x36x5mm
OP-SS16	400mm		$\pm 2.3\mu\text{m}$	430 x36x5mm
OP-SS20	500mm		$\pm 2.5\mu\text{m}$	530 x36x5mm

Model No.	Range	Graduation	Accuracy	Size (LxWxT)
OP-SS24	600mm	1mm	$\pm 2.7\mu\text{m}$	630 x36x5mm
OP-SS28	700mm		$\pm 2.9\mu\text{m}$	730 x36x5mm
OP-SS32	800mm		$\pm 3.1\mu\text{m}$	830 x36x5mm
OP-SS36	900mm		$\pm 3.3\mu\text{m}$	930 x36x5mm
OP-SS40	1000mm		$\pm 3.5\mu\text{m}$	1030 x36x5mm

■ Reading glass scale

- Specially designed with a standard scale to calibrate the lens magnification accuracy of optical projector

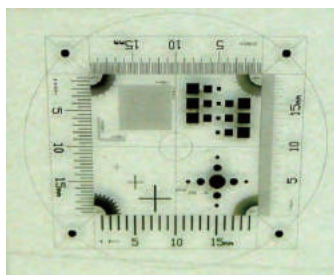
Model No.	Range	Graduation	Accuracy	Size (LxWxT)
OP-RS310	310mm	0.5mm	$\pm 20\mu\text{m}$	340x28x4.5
OP-RS360	360mm			390x28x4.5
OP-RS410	410mm			440x28x4.5

■ Standard glass checker



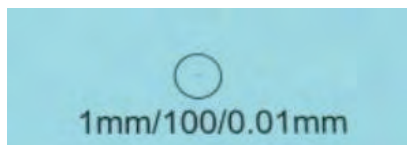
Model No.	Range	Graduation	Accuracy	Size (LxWxT)
OP-CP814	X: 140mm/6" Y: 80mm/3"	1mm	4 μm	170x100x5mm

■ High magnification calibration glass scale



OP-HCM

Model No.	Range	Graduation	Size (LxWxT)
OP-HC1	1mm	0.01mm	75x25x1.8mm
OP-HC10	1mm	0.01mm	
	10mm	0.05mm & 0.1mm	
OP-HC50	1mm/50mm	0.01mm / 0.1mm	42x42x1.8mm
OP-HCM	Length: 15mm	0.01mm	
	Angle: 90°	1°	
	Square	-	
	Circle	-	



OP-HC1



OP-HC10



OP-HC50

Optical accessories

■ Linear scale



Model No.	Range (mm)	Model No.	Range (mm)	Model No.	Range (mm)
OP-LS50	50	OP-LS300	300	OP-LS800	800
OP-LS100	100	OP-LS400	400	OP-LS900	900
OP-LS150	150	OP-LS500	500	OP-LS1000	1000
OP-LS200	200	OP-LS600	600	OP-LS1500	1500
OP-LS250	250	OP-LS700	700	OP-LS2000	2000

*Resolution : 0.005mm 、 0.001mm 、 0.0005mm 、 0.0001mm by requirement

■ 2D Microprocessor digital readout



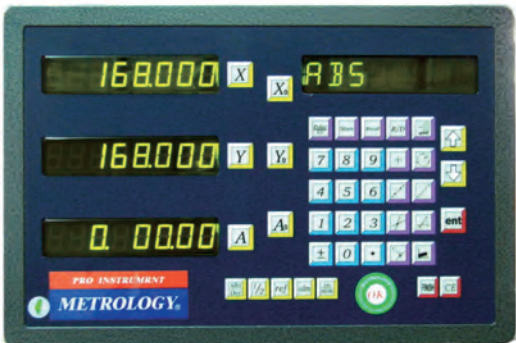
OP-ES2 Simple X-Y axis digital display
OP-ES3 Simple X-Y-Z axis digital display



OP-ES92 X-Y axis
2D geometric measuring function



OP-ES93 X-Y-Z axis
2D geometric measuring function



OP-ES15 X-Y axis
2D geometric measuring function (for projectors)



Circle



Line



Point



Distance



Angle



Intersection



Perpendicular point

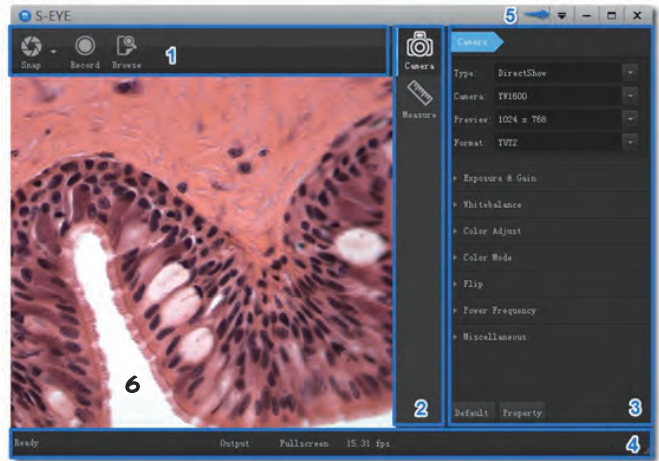


Print

■ HDMI Measuring Camera



OP-HMC309M



Software Interface:

1. Toolbar 2. Camera and measurement
3. Control panel 4. Status bar
5. Main menu 6. Image window

Camera Application:

Scientific research, education teaching 、 demonstration 、 academic exchanges, digital laboratory, medical research, Industrial visual, PCB examination, IC quality control, medical treatment, pathological observation, food microbial colony observation and counting, Aerospace, military high sophisticated weapons

Camera Features:

SONY imx335 sensor, Sensor size:1/2.8", Pixel size: 2um*2um
 Video resolution: 1080p (1920x1080) Photo resolution: 5Mp (2560x1920)
 Max preview & recording frame rate: 60fps Mouse control, Real time measurement
 Support USB drive storage and external SD card storage HDMI output
 Picture and video can be replay on the monitor without computer
 Power in: DC-12V/1A Dimensions: 50*50*58mm Net weight: 0.3kg

Camera function:

Exposure, Gain, Contrast, Saturation, Brightness, Sharpness, White balance, Color temperature adjustable, Zoom in & out, Image flip, Mono image, Freeze, Gridlines, Image comparison, Strong measuring functions

Measuring software function:

