

# **INDUSTRIAL CATALOGUE**



Canada China Germany Spain USA



Motic was founded in 1988 as a hi-tech industrial enterprise specialized in manufacturing conventional compound microscopes. Owned by Speed Fair Co. Ltd, the company has grown into a worldwide organisation with sales offices in Canada, Germany, Hong Kong, Spain and the United States.

Our manufacturing base in China consists of four fully-owned subsidiaries, manufacturing components for the company. Motic Xiamen is acting as the production headquarter of the company. It plays an important role, not only as the manufacturing centre, but also as an ideal location for our research and development department. Our R&D centre in Xiamen has over 100 professional engineers and technicians covering optical, mechanical, industrial, electronics and software design.

In early 1998's, the company started to explore and develop digital microscopy solutions, digital imaging products and application software. Today Motic also incorporates a software developing centre in Canada. This successful transition marked a milestone for the company, turning Motic into one of the first and leading brand names in digital microscopy.

The main success of Motic worldwide is, besides the excellent price-performance ratio of the microscopes, based on a close cooperation with our dealers:

### Mutual benefit / Mutual goals / Long-term partnership

We are making continuous efforts to provide our customers with the latest technologies, excellent quality and, of course, the best possible service wherever you need it.



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# **Semiconductor Microscope**

# PSM-1000/PSM-1000E



"All – In One" laser ready microscope for inspection, testing and corrections in the semiconductor industry.

		PSM-1000	PSM-1000E	
Trinocular tube Image		Erect Image		
	Interpupillary distance	Siedentopf type, adjustme	nt range: 55mm-75 mm	
	Field Number	24m	ım	
	Optical pass ratio	Switchable [eyepiece/laser = $100/0$ or $0/1$	00]; Simultaneous observation [50:50]	
	Observation angle adjustment	1	3° to 30°	
Main unit	Tube lens [correction]	1x [ultraviolet and infra	ared] and 2x [visible]	
	Laser work	Pull out beam split	ter for laser work	
	Applicable laser	1064/532/355r	nm NWR laser	
Magnification range 20X – 2000X		2000X		
Focus Adjustment		With coaxial coarse and fine focusing wheels [right/left]		
		[50mm travel range, 0.1mm/rev. for fine adj	ustment, 4mm/rev. for coarse adjustment]	
Loading weight on optical tube		20.5kg		
Camera mount		C-mount adapter		
Light source [optional]		150W cold light source, light guide length 2m.		
Objective nosepiece		Parcenterable, outward, rotary type for bright field lens [with 4 mounts], detachable		
Objectives [optional]	ELWD Plan Apo	2x, 5x, 10x,	20x, 50x	
-	ULWD Plan Apo	50x,1	00x	
	ELWD Plan Apo [Parfocality Adjustable]	2x, 5x, 10x,	20x, 50x	
	ULWD Plan Apo [Parfocality Adjustable]	50x,1	00x	
	NIR Apo	20x,	50x	
Mass [main unit/light source]		6.8kg/2.5kg		



# **Semiconductor Microscope**

# APO Objective



Superb optics with long working distances for crisp, detailed, aberration-free images.

Lens optical character	Magnification	N.A.	W.D. (mm)	Resolution (um)
ELWD Standard	2x	0.055	34	5
	5x	0.14	34	2
	10x	0.28	33.5	1
	20x	0.42	20	0.7
	50x	0.55	13	0.5
	100x(HNA)	0.8	3	0.34
ELWD Parfocality Adjustable	2x	0.055	34	5
	5x	0.14	34	2
	10x	0.28	33.5	1
	20x	0.42	20	0.7
ULWD Stardard	50x	0.42	20.5	0.7
	100x	0.55	13	0.5
Plan NIR	20x	0.4	20.5	0.7
	50x	0.42	19	0.7



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# BA310MET



Now industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. The BA310MET also performs well in educational environments for engineering and material professions, where affordability and ease-of-use are key demands.

### BA310MET

DAGTOMET	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20]
	Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increment
Stage	180 x 140mm surface; 75 x 50mm movement; coaxial movement
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max. 30mm

### **Objective Specification:**

Туре	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2



# BA310MET-T



Now industrial quality control can be performed for all opaque materials like minerals and metal samples with ease and efficiency. The BA310MET also performs well in educational environments for engineering and material professions, where affordability and ease-of-use are key demands. The BA310MET-T model has a transmitted light option that allows easy handling and viewing of transparent samples and greatly increases the number of industrial applications.

BA310MET-T	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20]
	Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increment
Condenser	N.A. 0.85; focusable and centrable
Stage	240x140mm surface; 75x50mm movement; coaxial movement
	300x180mm surface; 150x100mm movement; coaxial movement
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Transmitted Illumination	Built-in 6V/30W Halogen Koehler illumination; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max. 30mm

### **Objective Specification:**

Туре	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2





A modular inspection and analysis system for electronic components attachable to user machine or can be used independently. For wider application, polarizing observation is available. Superb image quality and erect images provide easy and quick detection of faults on the observed specimen. The system supports all imaging systems from CCD cameras to digital SLR.

BA310MET-H	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepiece	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30° [F.N. 20] Widefield trinocular 30° [F.N. 20] - light distribution 100:0/20:80 Widefield trinocular 30° [F.N. 20] - light distribution 50:50 fixed, Erect image
Interpupillary Distance	55-75mm
Nosepiece	Reversed quintuple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increments
Stage	180x140 mm surface; 100x80 mm movement; coaxial controls (optional)
Stand	Dimension:300 x 300mm
Incident light	12V/50W Halogen illuminator with external power supply; Halogen bulb exchangeable with 3W LED (4500K,6000K)
Specimen Thickness	Max. 120mm

### **Objective Specification:**

Туре	Magnification	N.A.	W.D.(mm)
Plan	5x	0.13	11.5
	10x	0.30	6.8
	20x	0.40	11.1
	50x	0.55	8.2
	100x	0.80	2



# **BA210MET**



To meet the demands of the Basic Metallurgical Microscope, Motic introduces its entry level model, the BA210MET, for the observation of opaque materials.

Designed with educational purposes in mind and aimed at engineering and material professions.

BA210MET	
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	N-WF 10X/20mm, with diopter adjustment
Observation Tube	Widefield binocular 30°[F.N. 20]
	Widefield trinocular 30°[F.N. 20] - light distribution 100:0/20:80
Interpupillary Distance	55 ~ 75mm
Nosepiece	Reversed quadruple
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increment
Stage	159 x 135mm surface; 75 x 50mm movement; coaxial movement
Incident light	6V/30W halogen Epi-Illumination
Accessory (optional)	Polarizer, Analyzer, Camera adapter (0.5X, 0.65X, 1X)
Specimen Thickness	Max.30mm

### **Objective Specification**

Туре	Magnification	N.A.	W.D.(mm)
M Plan	5x	0.15	14.5
	10x	0.25	16.0
	20x	0.40	10.5
	50x	0.55	5.1



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# **Polarizing Microscope**

# BA310POL



With acclaimed Motic CCIS Infinity Optics for improved performance and system flexibility, Motic BA310POL microscope offers superb optical performance and flexibility system that can be extended for petrography, mineralogy, industrial and medical applications.

BA310POL	
Model	BA310 Polarizing Microscope
Optical System	Color Corrected Infinity Optical System [CCIS®]
Eyepieces	Widefield high eyepoint, N-WF10X/20mm, diopter adjustment
	rubber eyecup (paired), cross hair on one eyepiece
Observation Tube	Widefield binocular 30°
	Widefield Trinocular 30° - light distribution 100:0/20:80
Eyepieces	Widefield high eyepoint, N-WF10X/20mm, diopter adjustment on both eyepieces,
	rubber eyecup (paired), cross hair on one eyepiece
Interpupillary Distance	55 - 75mm
Intermediate tube	360° rotatable analyzer with focusable Bertrand lens
Nosepiece	Reversed quadruple revolving nosepiece, 3 centerable position
Stage	360° rotatable stage
Condenser	Achromat swing-out condenser N.A. 0.90/0.13 (strain-free) with iris diaphragm
Polarizer & Analyzer	Rotatable polarizer, fixed on condenser carrier and rotatable dial analyzer
Focus	Coaxial movement; 30mm stroke; Fine focus with 2µm minimum increment
Transmitted light	Koehler illumination quartz halogen 6V/30W with intensity control

### **Objective Specification**

Туре	Magnification	N.A.	W.D.(mm)
EC Plan strain free	4x	0.10	15.9
	10x	0.25	17.4
	20x	0.45	0.9
	40x	0.65	0.5
	60x	0.80	0.35



# **K-Series**



Infinity optics, versatile, common main objective [CMO], this series is ideal for most inspection applications.

		K400L	K500	L	K700P	
Body	Optical System	Infinity, common main objective [CMO]				
	Convergent Angle			14°		
	Magnification	4 Step Changer [6,12,25,50 ratio]	4 Step Changer [6.4, 10, 16, 2 [6,12,25,50 ratio] 5 Step Ch		Zoom range: 5.2:1	
	Working Distance		9mm			
	Observation tube inclination	45°				
	Interpupilary distance adjustment	54mm - 76mm				
	Diopter adjustment	±5 diopter				
	Auxiliary objectives		0.3X, 0.5X, 0	.625X, 1.5X, 2X		
	Eyepiece		Super Wide	efield 10X/ 23	.0X/ 23	
Stand		Illumination	stand		Plain stand	
	Focusing adjustment	50mm				
	Stage Plate	Black & white plate, Frosted glass plate		Bla	ack & white plate	
	Light Source	Incident light: 12V/1 Transmitted light: 12V	.0W Halogen V10W Halogen	Cold light Fluorescent LED ring	; illumination (optional) ring Illuminator(optional) g Illuminator(optional)	

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# SMZ-171



(Fixed Arm)

Greenough stereoscopic optical system and multi-coated lens with relax view observation. Optional ESD feature for head and stand is available. Designed for a wide range of biological and material science applications, especially for industrial quality control.

	SMZ-171BL	SMZ-171TL			
Optical system	Gr	eenough			
Observation angle	45°/ 60°	45°			
Magnification range (standard)	0.75X5X				
Zoom ratio		1:6.7			
Eyepiece	N-WF, high eye-point 10X (Ø23), Diopter adjustable				
	N-WF 12.5X (Ø18), 15	X (Ø16), 20X (Ø13) optional			
Interpupilary adjustment	48n	nm-75mm			
Height of eye point	405mm				
Working distance (standard)	110mm				
Weight	6.2 kg (head 1.4kg)				
C-Mount adapter	/	Trinocular head only			
	/	0.5X, 0.65X, 1X adapters available			
Photo adapter	/	Photo adapter, 2.5X, 4X photo eyepiece available			
Auxiliary ESD objectives	0.3X [WD = 301mm], 0.5X [WD = 191.8mm], 0.63X [WD = 142.7mm], 0.75X [WD = 128.6mm], 1.5X [WD = 56.3mm ], 2.0X [WD = 38.6mm]				
Max. working distance	301mm				
Stand option	Stable pole stand and arm base stand available 3W LED incident and transmitted light with reflector design Improved design for various boom stands for industrial use ESD stand optional				





Zoom ratio of 6.7:1 and excellent optical performance combined with outstanding price-performance ratio. Designed to satisfy the most demanding user applications.

		SMZ-168 B	SMZ-168 (60°) + boom star	lds SMZ-168 T			
Body	Optical system		Greenough				
	Tube inclination angle	35°	60°	35°			
	Magnification range		0.75X – 5X				
	Zoom ratio		1:6.7				
	Еуеріесе	Widefield WF5X/23, V	High eyepoint, widefield WF10X/23 Widefield WF5X/23, WF6.25X/23, WF15X/17, WF20X/13,WF30X/8, WF32X/8 optional				
	Interpupilary distance adjustment	±5 diopter, 52mm - 75mm					
	Working distance	113mm					
	C-mount adapter	/	/	0.3X, 0.65X available			
	Photo adapter	/	/	Photo adapter, 2X photo eyepiece available			
	Auxiliary objectives	0.3X [WD =324mm], 0.5X [WD =192mm], 0.63X [WD =156mm] 0.75X [WD =127mm], 1.5X [WD =50mm ], 2X [WD = 34.5mm]					
Stand		Plain stand – 1	.68P	Illumination stand – 168L			
	Focusing adjustment	50mm					
	Stage Plate	Black & white	plate Black	& white plate, Frosted glass plate			
	Light Source	Cold light source (c Fluorescent ring illumina LED ring light illumina	ptional) / Transmit tor (optional) / Incider tor (optional) Or both 3'	Transmitted illumination : Halogen 12V/10W Incident illumination : Halogen12V/10W Or both 3W LED incident and transmitted light			



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# SMZ-161



Greenough stereoscopic optical system, offers the best performance of a zoom ratio of 1:6, with high resolution and a long working distance.

	SMZ-161B	SMZ-161T			
Optical system	Greenough				
Observation angle	45°/ 60° 45°				
Magnification range (standard)	0.75X - 4.5X				
Zoom ratio	1:6				
Eyepiece	WF10X (Ø20) / eyepiece tube adjustable	e / WF 10X (Ø23) / optional			
	N-WF 15X (Ø16), 20X (Ø13) opti	onal with RoSH lens			
Interpupilary adjustment	50mm-75mm	1			
Height of eye point	367mm				
Working distance (standard)	110mm				
C-Mount adapter	/	0.5X, 0.65X, 1X adapters available			
Photo adapter	/	Photo adapter, 2.5X, 4X photo eyepiece available			
Auxiliary ESD objectives	0.3X [WD = 301mm], 0.5X [WD = 191.8mm], 0.63X [WD = 142.7mm], 0.75X [WD = 128.6mm], 1.5X [WD = 56.3mm ], 2.0X [WD = 38.6mm]				
Max. working distance	301mm				
Weight	3.7kg (Head 1.2kg)				
Optional illuminator	Ring LED light / fluorescent ring illuminator / cold light source				
Stand option	<ul> <li>Reflector design provides a more homogeneous illumination at a lower temperature</li> <li>Compact R2LED stand with 3W LED</li> <li>Compact R2GG stand with 12V/10W halogen incident and 12V/20W halogen transmitted light</li> <li>Improved design for various boom stands for industrial use</li> </ul>				



# Industrial boom stands



### Articulating arm boom stand

( with square base and focusing connector) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diameter: Ø25mm / Ø32mm Length of vertical pole: 400mm, 600mm (optional)



### Special universal stand

(with round base and focusing connector) Diameter of base: Ø300mm Length of vertical pole: 400mm, 600mm (optional) Horizontal movement: 260mm Vertical pole mounting diameter: Ø32mm Focusing pole mounting diamete: Ø25mm / Ø32mm



### Ball bearing boom stand

( with square base and focusing connector) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diameter: Ø25mm / Ø32mm Length of vertical pole: 400mm, 600mm (optional)



### Special universal stand

(with square base and focusing connector) Length of base: 300mm Width of base: 300mm Horizontal movement: 400mm Length of vertical pole: 400mm, 600mm (optional) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diameter: Ø25mm / Ø32mm



### Articulating arm boom stand

(with table clamp type and focusing connector) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diameter: Ø25mm / Ø32mm Maximum thickness of clamping the table: 75mm Length of vertical pole: 400mm, 600mm (optional)



### Industrial arm boom stand

(with square base) Length of base: 300mm Width of base: 300mm Horizontal movement: 400mm Length of vertical pole: 400mm, 600mm (optional) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diamete: Ø25mm / Ø32mm Connects with the industrial arm directly without focusing connector



### Ball bearing boom stand

(with table clamp type and focusing connector) Vertical pole mounting diameter: Ø32mm Focusing pole mounting diameter: Ø25mm / Ø32mm Maximum thickness of clamping the table: 75mm Length of vertical pole: 400mm, 600mm (optional)



### Manual movement stand

Area of surface: 450mm x 350mm X movement: 410mm Y movement: 220mm Supporting holder can swing around forward and backward to satisfy the requirements to observe objects from different sides.





# **Illumination Accessories**



Motic VI-LED / VI-HAL Vertical Illuminator utilizes a groundbreaking optical and illumination system to enable on-axis observation and documentation, specially designed for Motic SMZ-161 and SMZ-171.

True on-axis observation of high-resolution, high-contrast, Shadow-free images capture are possible due to the VI-LED / VI-HAL Vertical Illuminator's elimination of the traditional stereoscope's angular view of the specimen. This is ideal for the observation of particularly smooth, specular surfaces and highly reflective specimens such as integrated circuits, semiconductor wafers, polished metal parts, solder balls, or magnetic recording heads.

The VI-LED / VI-HAL vertical Illuminator will be your perfect stereo microscope illumination solution.

	VI-LED	VI-HAL
Mounting on microscope body	Screw onto the head of	lirectly by 3 Knurled screws
Input Voltage	12V, 2A	12V, 4A
Lamp output power	LED 3W*2	Halogen bulb, 6V/30W
Color Temperature	3,000~3,500 K, 6,000~7,000 K available	3,000~3,200 K
Lamp Life	20,000 hours	100 hours
switching power supply	AV100-240V, 50/60HZ	AV100-240V, 47-63Hz



# <image>

2401K: Economic, sturdy, shadow- free, pure-white fluorescent ring illumination for stereo microscopes MLC-150: An industrial designed illumination

		2401K			LED ring light		
Mounting on	Clamp with mounting ring [special screw on adapter for SMZ168];			For SMZ-161/171/ F	For SMZ-161/171/ K series. Screw onto the head directly by 3		
microscope body	10mm, SMZ168 adap	ter decreases working dista	listance by 5 mm		special screws		
Input Voltage	, ,	115V, 220V	,		100 - 240V		
Input frequency		50/60HZ			50/60HZ		
Lamp output power		12W			4.5W, DC,24V(MAX)		
Color Temperature		6400K			9,000~10,000 K		
Lux		510Lm			35,000Lux		
Lamp Life		500hours		Above 10,000 hours			
Weight		252g		250g			
			MLC150				
Light Guide	Туре	Flexible	Flexible	Ring Light	Bifurcated	1-arm	
Fiber	Length	1500mm	2000mm	1000mm	500mm	500mm	
	Туре			Glass			
	Fiber Bundle Diameter	Ø7mm	Ø5mm	Ø5mm	Ø8mm	Ø5.6mm	
Proximal Diameter				Ø15mm			
Distal End Diameter		Ø15mm	Ø7mm	Ø61mm	Ø13mm	Ø9mm	
Distal End Type		Std. straight tip	Right angle line	Ring	Std. straight tip	Std. straight tip	
Colour Temperature		500K - 3700K, Using blue filter can increase colour temperature above 5600K.					
Lamp Output Power				150W			
Bending Radius		Ø18mm	Ø18mm	Ø225mm	Ø200mm	Ø200mm	
Emitter Dimensions		220(H) x 193(W) x 112(D)mm					





# SFC-11 / SFC-12



Compact, effective lightweight stereo microscopes with high-quality optical performance.

	SFC-11 A	SFC-11 B	SFC-11 C	SFC-12 A	SFC-12 B	SFC-12 C
Optical System			Gree	enough		
Convergent Angle			1	.2°		
Magnification	1X, 2X	1X, 3X	2X, 4X	1X, 2X	1X, 3X	2X, 4X
Eyepieces	Widefield 10x, Field Number [F.N.] = 20mm					
Working Distance			95	imm		
Observation angle	45°					
Interpupillary adjustment			54mn	n-76mm		
Diopter adjustment		Provided or	n left tube only. A	Adjustment range	: ±5 diopter	
C-mount	/ CCD adapter mountable [0.4x included]					
Optional illuminator	Fluorescent ring light illuminator / Cold light source					
Stand option	> Compact N2GG stand with 12V/15W halogen incident light and 12V/10W halogen transmitted light > Universal power input 110V-220V					





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GM-161

# **Gemology Microscope**

# GM-171 / GM-161



The GM-161 / 171 utilizes the optical performance of Motic's SMZ-171 stereomicroscope to enhance distinct three-dimensional details with a zoom function. Rugged and precise, the optics of the GM-171 performs indentifications, analyses, and measurements more accurately and efficiently, thus reducing your workload. Available in a trinocular version for photographical or digital capture of the gem, the GM-161 / 171 provides you with an opportunity for extra revenue.

		GM-171B	GM-171T	GM-161B	GM-161T		
Optical system			Greenough				
Observation angle		45°/ 60°	45°	45°/ 60°	45°		
Magnific	cation range (standard)		0.75X5X		0.75X - 4.5X		
Zoom ra	tio		1:6.7		1:6		
Eyepiec	e	N-WF, high eye-poin N-WF 12.5X(Ø18),	N-WF, high eye-point 10X(Ø23), Diopter adjustable N-WF 12.5X(Ø18), 15X(Ø16), 20X(Ø13) optional		/ eyepiece tube adjustable VF 15X (Ø16), 20X (Ø13) optional		
Interpup	pilary adjustment	4	8mm-75mm	50mm-75mm			
Working	king distance (standard) 110mm						
C-Moun	t adapter	/	/ 0.5X, 0.65X, 1X adapters / 0.5X, 0.65X, 1 available / available		0.5X, 0.65X, 1X adapters available		
Photo adapter		/	Photo adapter, 2.5X, 4X photo eyepiece available	/	Photo adapter, 2.5X, 4X photo eyepiece available		
Auxiliary	y ESD objectives		1.5X [WD = 56.3mm	], 2.0X [WD = 38.6mm]			
Stand	Incident illumination	7W fluorescent	7W fluorescent light, colour temperature of 6000K to reduce any yellowing effects on the gem, angle adjustable				
option	Transmitted illumination	6V/30W Halogen					
	Focusing adjustment	125mm					
	Stage	Mounting hole for gem holder on both sides. Users can choose the position freely					
Tilting base With a tilting range of 0°(upright) to 45°, accessible to users of various heights					arious heights		



## Moticam

# **Moticam Pro**



The Moticam Pro range consists of 12 feature-rich options providing a large platform for high-quality digital microscopy. A Moticam Pro is a sensitive piece of equipment designed to deliver high-quality CCD based images and yet still be affordable and flexible enough for a large variety of applications. Choose from Colored / Monochrome and Standard / Peltier Cooled options. The Moticam Pro marks an extension of Motic's Camera solutions from the affordable highresolution CMOS market to the scientific grade CCD range while still offering many choices. Whether your application calls for a Full Color 5.0MP camera for documentation or a Cooled Monochrome camera with 6.45 x 6.45 micron pixels for low light microscopy, there is a Moticam Pro available for you.

Moticam Pro	Sony Sensor	Sensor Size	Pixel Size (Micron)	<b>Resoulution (Pixel)</b>	Features
252A	ICX252AQ				Color
252B	ICX252AQ	1/1.8"	3.45 X 3.45	2080 X 1542	Color with Peltier cooling
282A	ICX282AQ				Color
282B	ICX282AQ	2/3"	3.40 X 3.40	2580 X 1944	Color with Peltier cooling
205A	ICX205AK				Color
205B	ICX205AK	1.07		1200 X 1004	Color with Peltier cooling
205C	ICX205AL	1/2"	4.65 X 4.65	1360 X 1024	Monochrome
205D	ICX205AL				Monochrome with Peltier cooling
285A	ICX285AQ				Color
285B	ICX285AQ			1200 X 1004	Color with Peltier cooling
285C	ICX285AL	2/3	0.40 X 0.45	1300 X 1024	Monochrome
285D	ICX285AL				Monochrome with Peltier cooling

# Moticam

# Moticam1SP / 2 / 3 / 5 / 10 / 580



The Moticams are known around the globe for their ease-of-use and their adaptability to a number of applications. Whether for educational, industrial or clinical use,, the Moticam's unique "All-in-One Box" design assures each user that this camera can fit almost any microscope.

	Moticam1SP	Moticam2	Moticam3	Moticam5	Moticam10	Moticam580
Resolution	1.3 Mega pixels	2.0 Mega pixels	3.0 Mega pixels	5.0 Mega pixels	10.0 Mega pixels	5.0 Mega pixels
Sensor Type	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
<b>Optical Calculation</b>	1/3"	1/3"	1/2"	1/2.5"	1/2.3"	1/2.5"
Focusable Lens	12mm	12mm	16mm	12mm	12mm	12mm
Output Possibilities	USB2.0	USB2.0	USB2.0	USB2.0	USB2.0	HDMI(1080P), SD Card (5.0MP), USB2.0, Analog Video
Software Included	Motic Images Plus for PC and Mac	Motic Images Plus for PC and Mac				
Others	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	Direct Show, TWAIN and Media Cybernetics Image Pro Plus 7 Driver compatibility	

Moticam



Software

# Motic Images Advanced 3.2

As a step into the more demanding realms of digital microscopy, this software package includes Motic's IMAGES Assembly as well as Multi Focus as standard. This advanced software contains many more professional image analysis tools. Some of the most powerful tools are highlighted below :





### Motic Images Assembly

Whe looking at objects with high magnification, the field of view decreases. The feature will allow users to capture images at high field of view as well as high magnification. All overlaps are recognized and individual images are automatically shifted into the right place.



### Motic Images Multi Focus

This feature allows the user to capture images at different focal depths. The software will scan each layer and assemble a new image with all maximum value pixels thereby creating a single image where all layers are in focus. The program even automatically adjusts and compensates for any image shift when using stereo microscopy.

# Software



# Motic Images Plus 2.0 ML

This software provides a complete platefrom for digital microscopy. Packed with the latest and most powerful applications, Motic Images Plus 2.0 ML makes image quantification easy, accurate and efficient.





Image Capture







Automated Segmentation



Accurate Measuring



Magnifier



Image Manipulation



### Canada I China I Germany I Spain I USA





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### Design Change :

The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.



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