



Advanced SMD Inspection system with table stand

Observation Method -	Brightfield	Yes
Head	Construction material	Plastic mold / Aluminum gears
Objective	Optical system	160
	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Zoom type	Parfocal achromatic
	Working distance (mm)	110
	Standard magnifications	0.7x-5x
	Zoom ratio	7.14
	Zoom click stops	At 0.7x, 1x, 1.5x, 2x, 2.5x, 3x, 4x, 5x
Focusing System	Type	Coarse
	Coarse total travel (mm)	50
	Adjustable tension	Yes
	Head holder internal diameter (mm)	76
Stand	Type	Pillar
	Pillar diameter (mm)	32
Incident Illumination	Type	LED
	Light source power (W)	1
	Illuminance (lux)	60,000
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	3
Power Supply for Illumination	Type	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	110/240 Vac, 50/60 Hz
	Output voltage	12 Vdc
Accessories Included	Dust cover	Yes
	User Manual	Digital version (downloadable)
	HDMI cable (m)	Yes (0.5)

Additional Information	Maximum sample height (mm):	150
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Product Dimensions	Total height (mm)	510
	Total width (mm)	320
	Total depth (mm)	260

Product Weight	(kg)	4.3
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Digital Head	Resolution (MP)	2
	Sensor type	CMOS
	Sensor size	1/2.8"
	Sensor aspect ratio	16/9
	Full image size	1920x1080
	Pixel size (µm)	2.9x2.9
	Frame rate	60 fps (1920x1080)
	S/N ratio (dB)	≥50
	Dynamic range (dB)	≥50
	Sensitivity (V/lux*s @550nm)	0.4
	Exposure time (s)	0.02 - 1/10000
	USB type	2.0
	Software	built-in

BUILT-IN SW SPECIFICATIONS

General	Multi-language menu	Yes
	Available languages	
	Chinese	Yes
	English	Yes

Image Acquisition	Still image multiple format saving	Yes
	Video recording	Yes
	Continuous automatic exposure	Yes
	Manual exposure	Yes
	Color acquisition	Yes
	White Balance	Auto/Manual
	E Zoom	Yes
	Browse of Images and Video	Yes
	Horizontal Flip	Yes
Vertical Flip	Yes	

Image Processing	HDR (High Dynamic Range)	Yes
	Crosshair	Yes
	Text Overlay	Yes

Measurements	Live measurement	Yes
	Select measurement unit	Yes
	Available measurements	
	Line	Yes
	Angle	Yes
	Parallel lines	Yes
	Rectangle	Yes
	Circle	Yes
	Arc	Yes
	Polygon	Yes
	Edge Detection	Yes