












Main Function		
	Image Capture	Instantly saves snapshots to storage device with one click
	Video Recording	Starts/stops recording with a click; saves to storage device
	Preview	Jumps to stored images/videos for review
	Settings	Opens configuration menu
	Measurement	Activates measurement tools
	RJ45 Port	Enables dual display (monitor + PC); saves images to computer
	Focus Stacking/Image Stitching	Combines multi-focus images into 3D composites for extended depth of field
	Scan Trigger	External barcode scanner triggers automatic capture.
	External Keyboard/Mouse	Supports fast CN/EN input

Optical System Specifications	Optical Lens 5A Kit	2D/3D Lens
	Optical Zoom Ratio	1:7.33
	Objective Magnification	0.3-2.2
	Camera Eyepiece Magnification	1.0X
	Digital Magnification	23-168X (27 inches) /20-148X (23.8 inches)
	Field of View (FOV)	2*3.5-4*5.8mm
	Working Distance	35mm
	Center Distance	120mm
CCD System Specifications	Resolution	3840*2160P
	Sensor Size	SONY 1/1.8
	Pixel Size	2.75μm*2.75μm
	Bit Depth	12BIT
	Exposure Mode	Line by line exposure
	White Balance	Manual/Auto
	Focus Mode	Manual
	Frame Rate	60fps
	Output Interface	HDMI
	Output Color	Color/Monochrome
	Power Output	12V1A
Mounting System Specifications	Focusing Bracket	Coarse adjustment knob, 0-300mm travel
	Articulated Arm	Dimensions:35*45*330 mm
	Work Platform	320*260*20mm
Lighting System Specifications	External light source	LED ring light, input voltage: AV100-240V wide voltage, brightness continuously adjustable
Video Display System Specifications	Screen Specifications	23.8/27 inches
	Screen Ratio	16: 9
Measurement Function	Picture Shooting	BMP/JPG
	Storage Method	U Disk
	Video Shooting	H264/H265
	Identification	Point coordinates, crosshairs, coordinate lines, text annotations
	Length Measurement	Straight lines, polylines, curves, arcs, parallel line spacing, point line spacing
	Center Distance Measurement	Two-point circle, three-point circle
	Geometric Measurement	Line length, line spacing, circle radius, concentric circles
	Geometric Area	Circular area, square, triangle, polygon
	Angle Measurement	Measurement of internal and external angles
	Image Rotation	Vertical rotation, horizontal rotation
	Other Functions	Text editing and annotation

Configuration List	Microscope Head	1
	Microscope Bracket	1
	LED Environmentally Friendly Light Source	1
	HDMI Data Cable	1
	Mouse	1
	Straightedge	1
	Microscope Head	1
	Microscope Bracket	1
	LED Environmentally Friendly Light Source	1
	HDMI data cable	23.8/27 inches (optional)