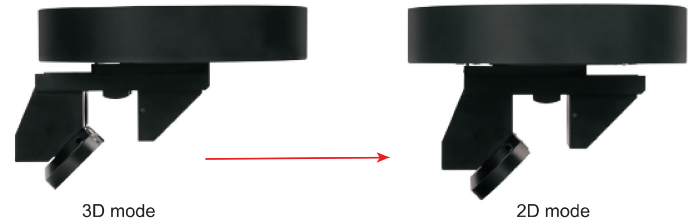
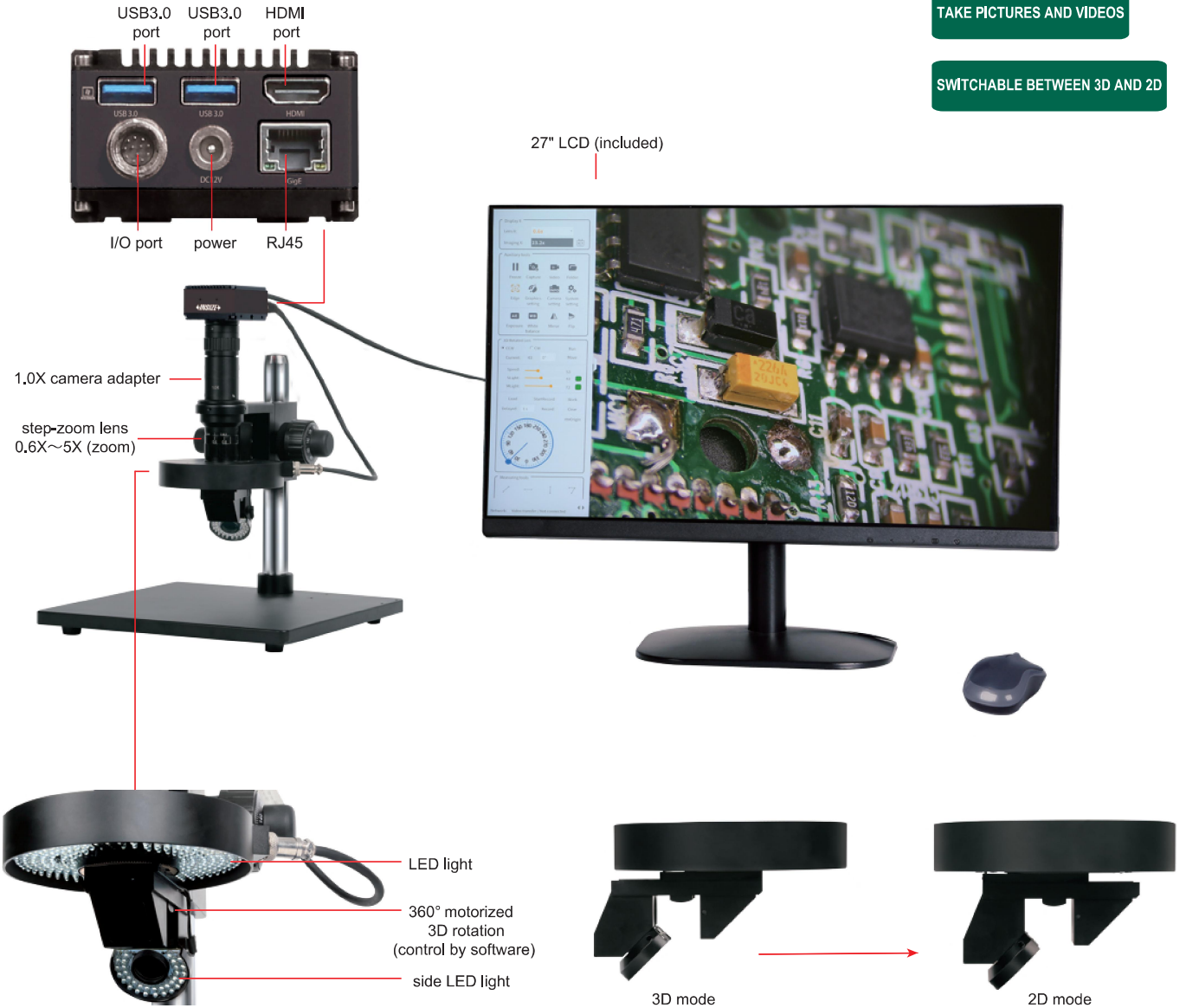


# 2D/MOTORIZED ROTATION 3D MICROSCOPE (WITH DISPLAY) CODE 5327-MD10

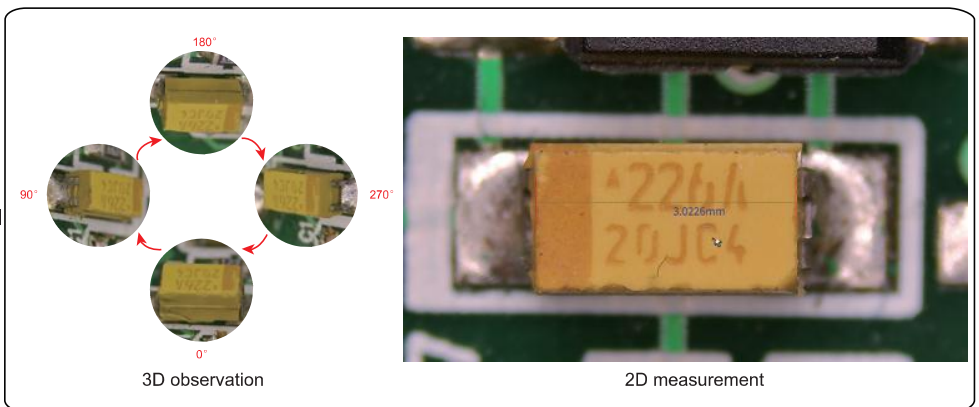
MOTORIZED 3D ROTATION

TAKE PICTURES AND VIDEOS

SWITCHABLE BETWEEN 3D AND 2D



- 4K high-definition 3D image
- Supports switching from 3D monitoring to 2D
- Take pictures and videos, save to USB flash disk
- Built-in software without computer, operated by mouse
- Measurement results can be sent to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable
- 2D measurement can be achieved by connecting to computer software via an RJ45 port



## SPECIFICATION

Magnification	46X~375X
View field	12.9×7.2~1.5×0.8mm
Sensor	1/1.8" CMOS
Pixel	8M
Resolution	3840×2160
Single pixel size	2×2μm
Frame rate	60fps
Focus distance (2D)	30mm
Focus distance (3D)	30mm
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	330×300×318mm
Net weight	7.8kg

## 2D MAGNIFICATION, VIEW FIELD AND MEASURING ACCURACY

Objective magnification	Image magnification	View field	Measuring accuracy
0.6X	46X	12.9×7.2mm	±5μm
0.8X	61X	9.8×5.5mm	±5μm
1X	76X	7.8×4.4mm	±5μm
1.5X	113X	5.2×2.9mm	±5μm
2X	150X	3.9×2.2mm	±5μm
2.5X	188X	3.1×1.7mm	±4μm
3X	226X	2.6×1.4mm	±4μm
3.5X	264X	2.2×1.2mm	±4μm
4X	301X	1.9×1.1mm	±3μm
4.5X	340X	1.7×0.9mm	±3μm
5X	375X	1.5×0.8mm	±3μm

## STANDARD DELIVERY

Main unit (with stand)	1pc
1.0X camera adapter	1pc
1X auxiliary objective	1pc
16G USB flash disk	1pc
White/black plate	1pc
Mouse	1pc
LCD (27")	1pc
Calibration plate	1pc
Power adapter	1pc



16G USB flash disk (included)



calibration plate (included)

## SOFTWARE (INCLUDED)

The software interface includes several functional panels:

- assist tools:** A top panel with icons for Freeze, Capture, Video, Folder, Edge, Graphics setting, Camera setting, System setting, Exposure, White Balance, Mirror, Flip, and a 3D Rotated Lens section with controls for CW, CCW, Run, Mirror, Speed, Light, and Delayed.
- 3D rotating lens assist tools:** A section with a circular dial for customizable rotation angle control, ranging from 0 to 360 degrees.
- measuring tools:** A bottom panel with various measurement and analysis tools.

The main display area shows a **real-time image** of a green printed circuit board (PCB) with various electronic components like capacitors and resistors.