HIGH-DEFINITION MEASURING MICROSCOPE
CODE ISM-DL500

BUILT-IN SOFTWARE WITHOUT COMPUTER

VIDEO

- RJ45 port
- HDMI port
- USB port
- power
- step-zoom lens 0.75X~5X (zoom)
- LED
- fine focus knob (graduation: 2μm)
- contour illumination
- 4K TV (**optional**, HDMI port)
- mouse
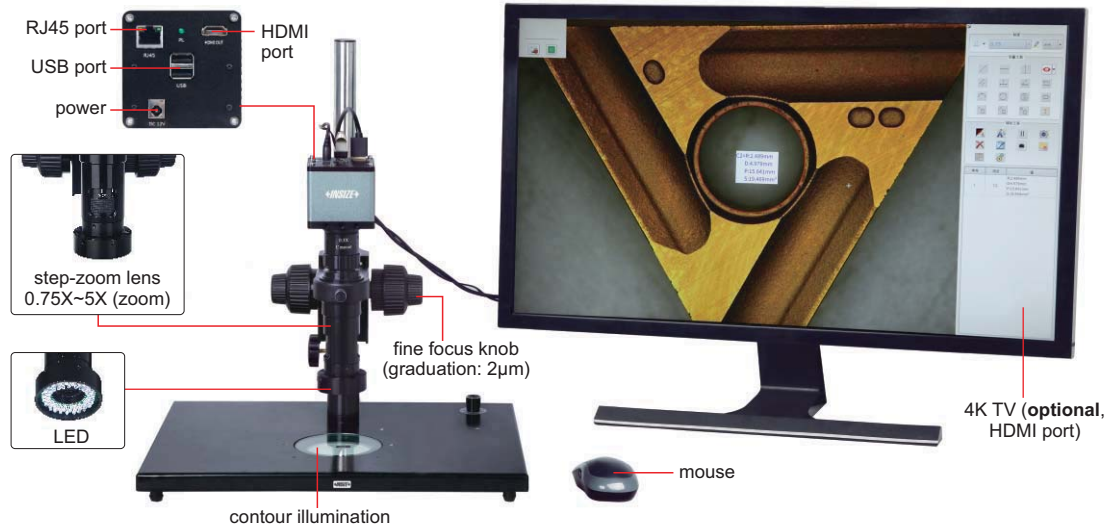
- 5 megapixel high-definition image
- Built-in software without computer, operated by mouse
- Take pictures, save to USB flash disk
- Measurement results can be sent to Excel
- Automatic white balance and exposure
- Send photos and measurement data via ethernet (TCP/IP)
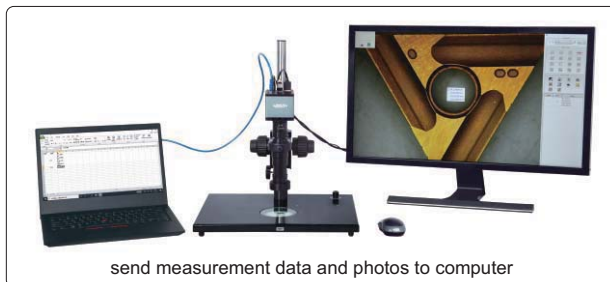- Name photos and measurement data files with serial number of workpieces read by scanner

send measurement data and photos to computer

0.5X camera adapter (included)

1X camera adapter (**optional**)

1X auxiliary objective (included)

2X auxiliary objective (**optional**)

SPECIFICATION

Magnification (on 28" TV)	30X~200X
Sensor	1/1.8" CMOS
Pixel	5M
Resolution	3072×1728
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
28" 4K TV	7313-TV28
Scanner and hub	7316-SCAN1
LED light	page 345~346
Auxiliary objective	page 347

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Image magnification (on 28" TV)	Measuring accuracy
0.75X	30X	±6μm
1X	40X	±6μm
1.5X	60X	±5μm
2X	80X	±5μm
2.5X	100X	±5μm
3X	120X	±4μm
3.5X	140X	±4μm
4X	160X	±3μm
4.5X	180X	±3μm
5X	200X	±3μm

X-Y glass stage
(**optional**)
(X-Y travel: 74×60mm)

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD (ON 28" TV)

Auxiliary objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	30~200X	60~400X
	Focus distance	70±2mm	70±2mm
	View filed	16.5×11.5~2.5×1.7mm	8.2×5.7~1.3×0.9mm
2X (optional)	Magnification	60~400X	120~800X
	Focus distance	29±2mm	29±2mm
	View filed	8.2×5.7~1.3×0.9mm	4.1×2.8~0.6×0.4mm

SOFTWARE (INCLUDED)

■ Refer to page 342 for details