

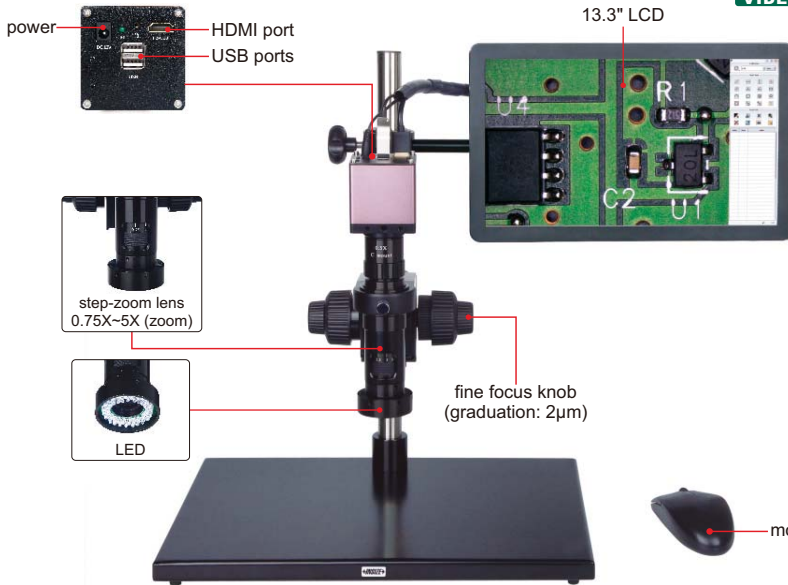
DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)



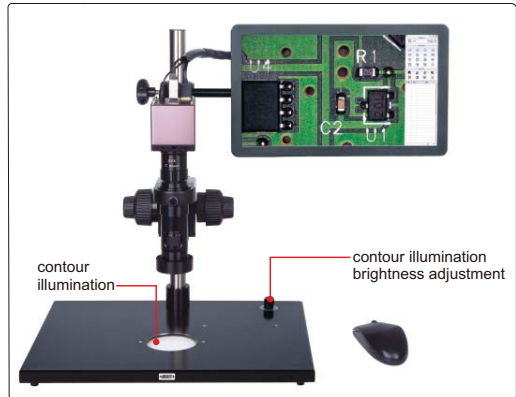
BUILT-IN SOFTWARE
WITHOUT COMPUTER

MEASUREMENT

TAKE PICTURES



ISM-DL300 (without contour illumination)



ISM-DL301 (with contour illumination)

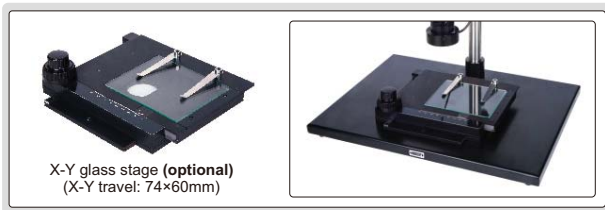
- 1080P high-definition image
- Built-in software without computer, operation by mouse
- Take pictures, saved to USB flash disk
- Measurement results can be output to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable



calibration plate
(included)



16G USB flash disk
(included)



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



0.5X camera adapter
(included)



1X auxiliary objective
(included)



1X camera adapter
(optional)



2X auxiliary objective
(optional)

MEASURING ACCURACY

Magnification	Measuring accuracy*
15X	±8μm
30X	±6μm
50X	±6μm
80X	±4μm
100X	±4μm
>100X	±4μm

* When measuring the contour of workpieces, please select ISM-DL301 for high accuracy.

SPECIFICATION

Code	ISM-DL300 (without contour illumination)	ISM-DL301** (with contour illumination)
Magnification	15X~100X	
Sensor	1/2" CMOS	
Pixel	2M	
Resolution	1920×1080	
Frame rate	60fps	
Output	HDMI	
Power supply	power adapter	power adapter and 220V, 50/60Hz**
Dimension (L×W×H)	570×300×430mm	
Weight	6.5kg	

** Add "-U" on code No. when power supply is 110V, 50/60Hz

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	70±2mm	70±2mm
	View filed	16×11~2.5×1.6mm	7.8×5.3~1.2×0.8mm
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	29±2mm	29±2mm
	View filed	7.8×5.3~1.2×0.8mm	3.8×2.7~0.6×0.4mm

Continued from previous page

DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

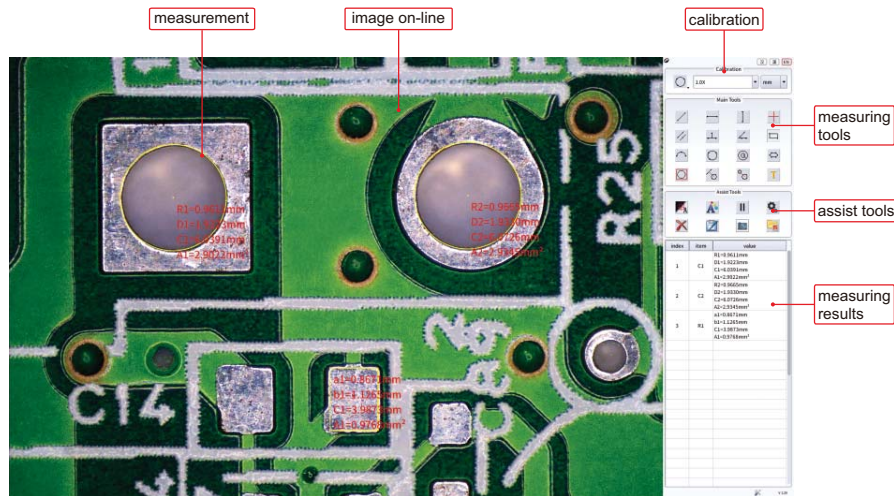
STANDARD DELIVERY

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

OPTIONAL ACCESSORY

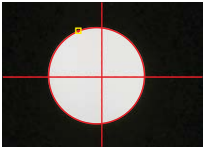
1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74*60mm)	ISM-DL-STAGE

SOFTWARE

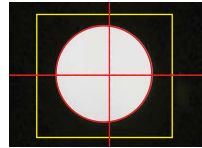


- Language: English
- Output to Excel
- Edge-detection:

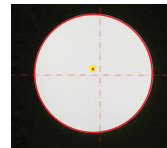
Point tool



Box tool



Click tool



Measurement tools:

- | | | |
|--|---|---|
| measure length of line or distance between two points | measure length of line or distance between two points in horizontal direction | measure length of line or distance between two points in vertical direction |
| measure angle from horizontal line | measure angle from vertical line | measure angle of two lines |
| measure distance between two parallel lines | measure distance between three parallel lines | measure distance between multiple parallel lines |
| measure distance between point and line | measure radius, length and angle of arc | measure girth and area of polygon |
| measure radius, diameter, girth and area of circle with three points | measure radius, diameter, girth and area concentric of circles | measure length, width, girth and area of rectangle |
| measure minimum distance between point and circle | measure distance between point and center of circle | measure maximum distance between point and circle |
| measure minimum distance between line and circle | measure distance between line and center of circle | measure maximum distance between line and circle |
| measure minimum distance between two circles | measure center distance between two circles | measure maximum distance between two circles |
| add text | measure radius, diameter, girth and area of circle with two points | cross hair |