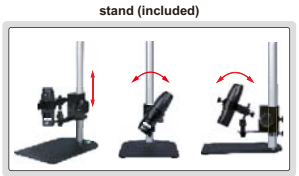
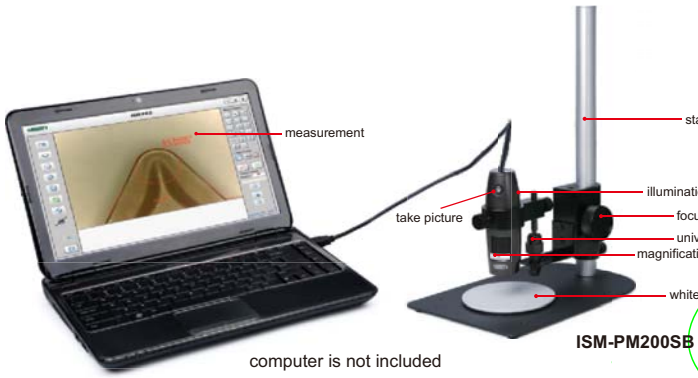
DIGITAL MEASURING MICROSCOPE



- Can take pictures and videos
- Supplied with software

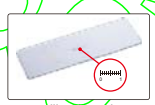


ISM-PM200SB

computer is not included

focus support (included)

calibration rule (graduation 1mm, included)


calibration rule (graduation 0.1mm, included)

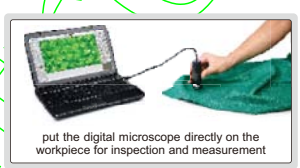
software CD (included)

SPECIFICATION

Code	ISM-PM200SB
Magnification	10X~200X
Type	short focus distance
Focus support	included
Calibration rule	graduation 0.1 and 1mm
Pixel	2M (resolution: 1600x1200)
Ilumination	built-in adjustable LED
Power supply	USB 2.0 cable (voltage required: 5±0.1V)

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

ISM-PM200SB			
Magnification	Focus distance	View field	Accuracy
50X	21mm	8.1×6.4mm	30μm
100X	13mm	3.9×3.1mm	15μm
150X	16mm	2.6×2.1mm	10μm
200X	19mm	1.8×1.5mm	8μm


put the digital microscope directly on the workpiece for inspection and measurement

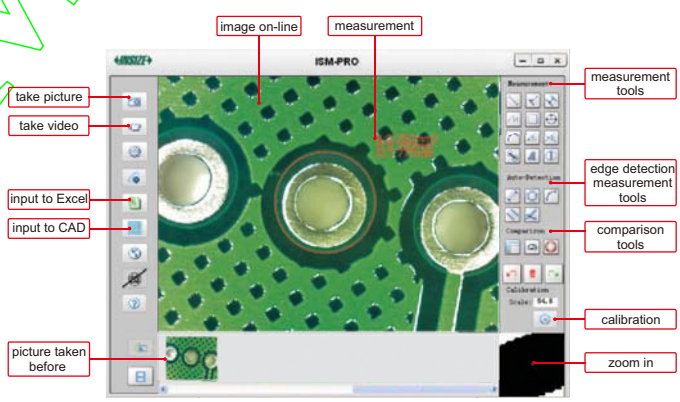
filter (optional)

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

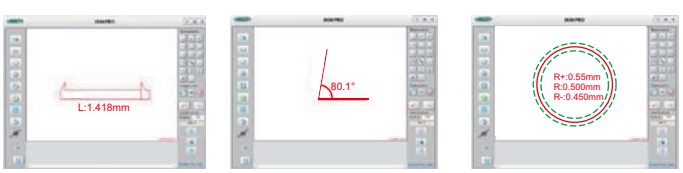
SOFTWARE FOR DIGITAL MEASURING MICROSCOPE

- **Language:** English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- **Operation system:** Windows 7/XP/Vista
- **Measurement tools:**
  - measure length of line or distance between two points
  - measure distance between point and line
  - measure distance between two parallel lines
  - measure length of continuous line
  - measure area of rectangle
  - measure radius, girth and area of circle
  - measure radius, length and angle of arc
  - measure distance between two circles
  - measure angle with three points
  - measure angle with two lines
  - add text
  - add number with circle
- **Edge detection measurement tools:**
  - detect line automatically, and calculate length
  - detect arc automatically, and calculate radius, angle and arc length
  - detect two lines automatically, and calculate angle
  - detect circle automatically, and calculate radius, girth and area
  - detect two parallel lines automatically, and calculate distance

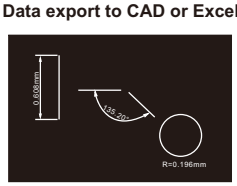


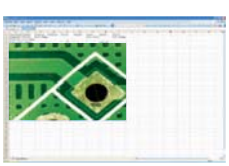
- **Comparison tools:**
  Create line, angle or circle with desired size, to compare with workpieces.

create line | create angle | create circle with tolerance



- **Data export to CAD or Excel:**

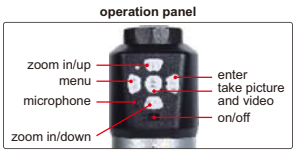


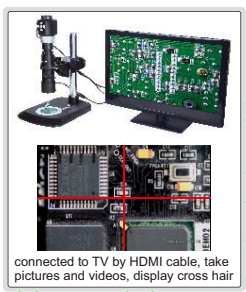


Dalsae Metrology

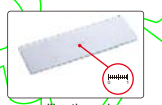
DIGITAL MEASURING MICROSCOPE
CODE ISM-DM40

TAKE PICTURES AND VIDEOS | **MEASUREMENT (ON COMPUTER)** | **FOCUS DISTANCE OF CAMERA IS ADJUSTABLE**





calibration rule (included, graduation 1mm)


calibration rule (included, graduation 0.1mm)

8G memory card and holder (included)

software CD (included)

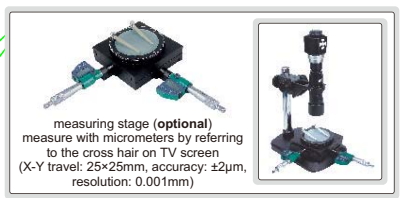
- Connected to TV and computer
- Take pictures and videos, saved to memory card
- Measurement on computer with accuracy ±0.01mm
- Large working distance because focus distance of camera is adjustable
- Automatic white balance and exposure, white-black display mode
- Automatic power off

SPECIFICATION

Magnification		15X~205X (on 19" monitor)
Pixel		3.5M
Sensor		1/3" CMOS
Resolution	**HDMI output**	1920×1080, 1280×720, 640×480
	picture	2304×1536, 2304×1296, 1920×1080, 1280×720, 800×480
	video	1920×1080, 1280×720, 800×480
Output		USB/HDMI
Power supply		5V (>500mA)
Dimension (L×W×H)		273×205×310mm
Weight		3.5kg

STANDARD DELIVERY

Main unit	1pc
8G memory card and holder	1pc
HDMI cable (for TV)	1pc
USB cable and software (for computer)	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc



OPTIONAL ACCESSORY

Measuring stage	**ISM-DM40-STAGE**

LENS SCALE, MAGNIFICATION AND FOCUS DISTANCE

Lens scale	Magnification (on 19" monitor)	Focus distance (mm)
0.7X	15~40X	24~252
1X	30~50X	27~155
2X	70~80X	81~117
3X	110~120X	94~111
4X	140~160X	101~110
5X	180~205	103~109

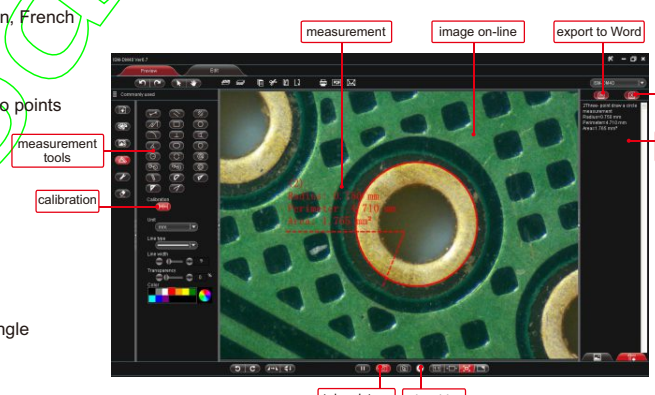
MAGNIFICATION, VIEW FIELD AND FOCUS DISTANCE

Magnification (on 19" monitor)	View filed (mm)	Focus distance (mm)
15X	28×16	252
30X	13.5×7.5	155
50X	8×4.8	124
100X	4.2×2.4	110
150X	2.7×1.5	108
200X	2.1×1.2	105

SOFTWARE FOR COMPUTER

- **Language**: Chinese, English, Japanese, German, French
- **Operation system**: Windows XP/7/8/10
- **Measurement tools:**

measure length of line or distance between two points
measure length of continuous line
measure radius, length and angle of arc
measure angle with three points
measure distance between two circles
measure distance between two parallel lines
measure length, width, girth and area of rectangle
measure distance between point and line
measure axis lengths, girth and area of ellipse
measure center distance between parallel lines
measure circumference and area of polygon
measure angle with two lines
measure radius, girth and area of circle



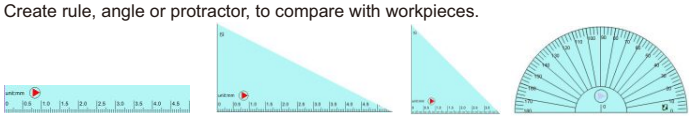
- **Data export to Word or Excel:**

Word

Excel

- **Comparison tools:**

Create rule, angle or protractor, to compare with workpieces.



Digisaw