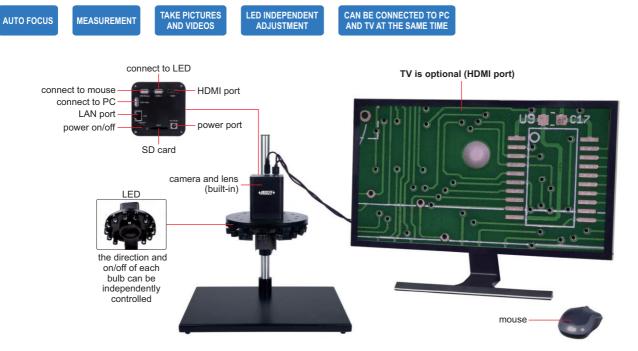
HIGH-DEFINITION AUTO FOCUS DIGITAL MICROSCOPE (LARGE VIEW FIELD) CODE 5320-AF410





- Auto focus camera
- Take pictures and videos

<i>AINSIZE

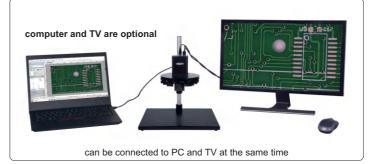
- Built-in measuring software
- Automatic exposure, sharpening, denoising and white balance
- 4K/1080P automatically switched by display resolution
- Display actual magnification
- Digital magnification
- Motorized light control
- Display cross hair and gridline

SPECIFICATION

Magnification (on 28" TV)	2.4X~43.7X
View field	14.2×8~255×145mm
Auto focus distance	200~255mm
Sensor	1/2.8" CMOS
Pixel	8M
Resolution	3840×2160
Frame rate	30fps
Output	HDMI/USB/LAN
Power supply	power adapter
Dimension (L×W×H)	400×300×450mm
Weight	5.8kg

STANDARD DELIVERY

Main unit (with stand)	1 pc
LED illumination	1 pc
32G memory card and holder	1 pc
Mouse	1 pc
HDMI cable	1 pc
USB 2.0 cable	1 pc
Power adapter	1 pc



MEASURING ACCURACY (ON 28" TV)

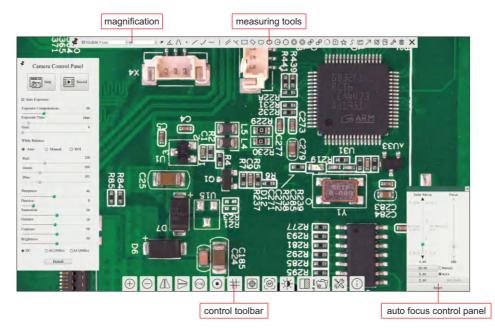
Optical magnification	Measuring accuracy
2X	±0.1mm
4X	±0.1mm
6X	±0.04mm
10X	±0.02mm
14X	±0.02mm
18X	±0.01mm

To be continued

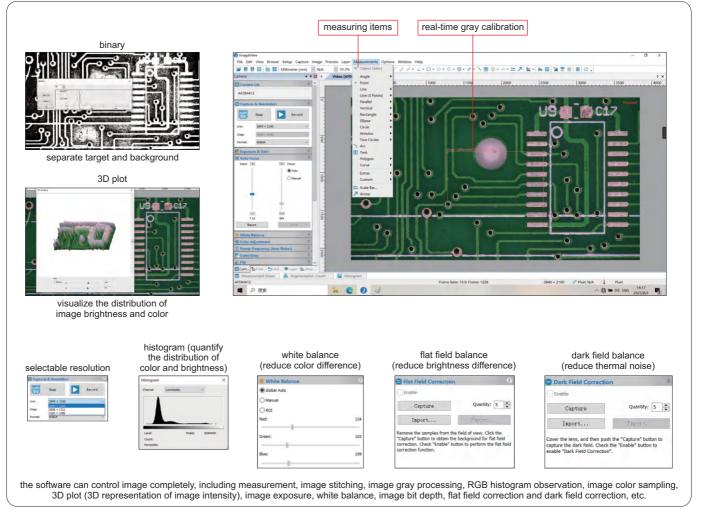
Continued from previous page



SOFTWARE FOR TV (INCLUDED)



PROFESSIONAL SOFTWARE (INCLUDED, FOR COMPUTER)





zoom in

zoom out

auto focus

take pictures

- Take pictures and videos
- Take pictures and videos
 Can be connected to TV (HDMI port) and computer (RJ45 port) at the same time
- Built-in measuring software for TV
- Measuring software for computers is included
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red /yellow/black/brown colors)

SPECIFICATION

Code	5302-AF105 (standard type)	5302-AF108 (high-definition type)	
Pixel	2M	8M	
Resolution	1920×1080	3840×2160	
Magnification	1.4X~25.8X (on 28" TV)	1.4X~51.6X (on 28" TV)	
Sensor	1/2.8" CMOS		
Auto focus distance	100mm~∞		
Output	HDMI, RJ45		
Frame rate	HDMI: 60fps, RJ45: 50fps		
Power supply	power adapter		
Dimension (L×W×H)	500×280×410mm		
Weight	17kg		

VIEW FIELD

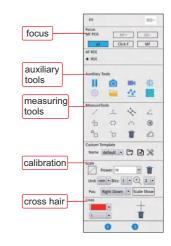
24

Focus distance	Adjustable magnification (on 28" TV)	View field
100mm	3.9~25.8X	24×14~168×91mm
150mm	2.6~20X	30×17~240×128mm
200mm	2.1~17X	37×20~315×170mm
250mm	1.7~14.7X	42×24~385×210mm
270mm	1.4~14X	43×25~415×225mm

MEASURING ACCURACY

Optical magnification (5302-AF105) Optical magnification (5302-AF108)		Measuring accuracy
2X	2X	±0.1mm
4X	4X	±0.1mm
6X	6X	±0.04mm
8X	8X	±0.02mm
14X	14X	±0.02mm
/	28X	±0.02mm

TV SOFTWARE (INCLUDED)

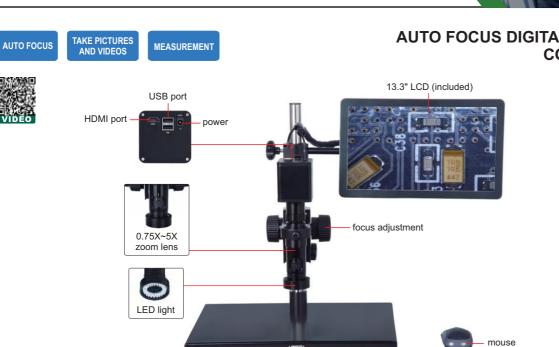


STANDARD DELIVERY

<u>• • • • • • • • • • • • • • • </u>	
Main unit (with stand)	1 pc
LED illumination	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
HDMI cable (for TV)	1 pc
Network cable (for computer)	1 pc
Switch	1 pc
Software for computer	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

28" 4K TV	5302-AF-TV28
32" 4K TV	5302-AF-TV32
Computer	5302-AF-COMPUTER
Controller	5302-AF-CONTROLLER



- 1080P high-definition image
- Auto focus camera
- Take pictures and videos, saved to USB flash disk
- Picture review, picture compare
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red/yellow/black/ brown colors)
- Built-in software without computer, operation by mouse



SPECIFICATION

Magnification	20X~123X
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg

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
HDMI cable	1 pc
Power adapter	2 pcs

6 display cross hair (blue/green/red/yellow/

black/brown colors)



1X camera adapter (optional)

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Specification		Camera adapter		
objective	opecification	0.5X (included)	1X (optional)	
	magnification	20~123X	40~246X	
1X	focus distance	48~84mm	48~84mm	
(included) vie	view field	13×7~2.2×1mm	6.3×3.5~1.1×0.5mm	
	measuring accuracy	±0.02mm	±0.02mm	
	magnification	40~246X	80~492X	
2X focus distance		24~42mm	24~42mm	
(optional)	view field	6.5×3.5~1.1×0.5mm	3.3×1.8~0.6×0.3mm	
	measuring accuracy	±0.02mm	±0.02mm	

AUTO FOCUS DISTANCE

Zoom objective scale	0.75X	1X	1.5X	2X	2.5X
Auto focus distance (mm)	48~84	50~78	55~73	62~71	65~70
Zoom objective scale	3X	3.5X	4X	4.5X	5X
Auto focus distance (mm)	66~70	67~70	68~70	68~70	68~70

OPTIONAL ACCESSORY

OF HORAE ACCESSORT		
1X camera adapter	ISM-DL-CA1X	
2X auxiliary objective	ISM-DL-OB2X	
X-Y glass stage (travel: 100×86mm)	ISM-DL-STAGE	
X-Y metal stage	ISM-DL-STAGE1	
LED light	page 728~729	
Auxiliary objective	page 730	

AUTO FOCUS DIGITAL MICROSCOPE CODE 5303-AF103



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16G USB flash disk (included)



0.5X camera adapter (included)



1X auxiliary objective (included)



2X auxiliary objective (optional)



adjust the X-Y metal stage to move the workpiece slowly to generate a stitched image automatically

To be continued



Continued from previous page

SPECIFICATION

Magnification	17.5X~109X (on 15.6" LCD)
Sensor	1/1.7" CMOS
Pixel	12M
Resolution	4000×3000
Frame rate	30fps
Output	HDMI/USB/LAN
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	15kg

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash drive	1 pc
Mouse	1 pc
X-Y metal stage	1 pc

MAGNIFICATION AND MEASURING ACCURACY (on 15.6" LCD)

Objective magnification	Image magnification	Measuring accuracy
0.75X	17.5X	±20µm
1X	23X	±20µm
1.5X	33X	±20µm
2X	45X	±20µm
2.5X	55X	±20µm
3X	65X	±20µm
3.5X	75X	±20µm
4X	85X	±10µm
4.5X	100X	±10µm
5X	109X	±10µm

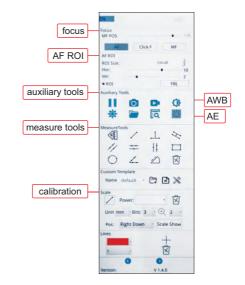
MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD (on 15.6" LCD)

Specification	Camera adapter		
opecification	0.5X (included)	1X (optional)	
Magnification	17.5~109X	35~218X	
Focus distance	73±2mm	73±2mm	
View filed	19.2×11.0~3.2×1.9mm	9.6×5.5~1.6×0.9mm	

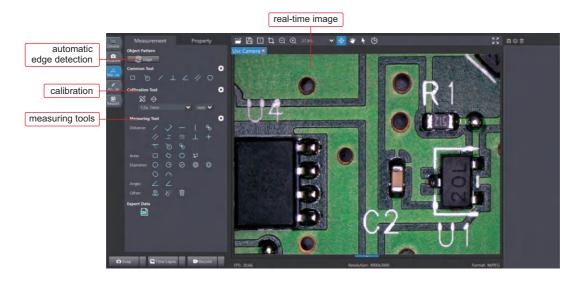
OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
Computer	ISM-DL-COMPUTER
LED light	page 728~729
Auxiliary objective	page 730

SOFTWARE FOR LCD (INCLUDED)



SOFTWARE FOR COMPUTER (INCLUDED)





1 pc
1 pc
2 pcs

Output

Weight

Rotation speed

Dimension (L×W×H)

Power supply

HDMI

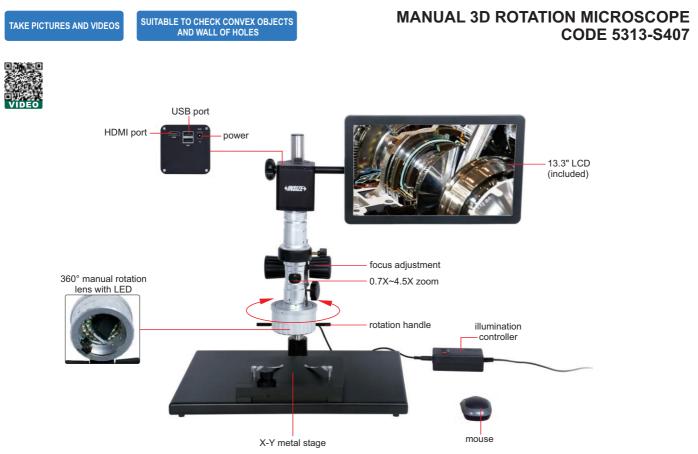
10kg

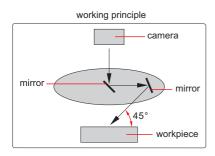
2~4RPM

110/220V, 50/60Hz

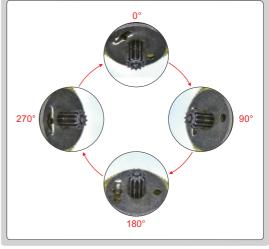
570×300×430mm







SPECIFICATION	
Magnification	18X~120X
View field	2.4×1.5mm~16×9mm
Focus distance	20mm
View angle	45°
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	220V, 50/60Hz
Dimension (L×W×H)	570×300×430mm
Weight	10kg



360° rotation observation

STANDARD DELIVERY

Main unit	1 pc
X-Y metal stage	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
Power adapter	2 pcs



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		
Dimension (L×W×H)	570×300×430mm		
Weight	6.5kg		

To be continued



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
HDMI cable	1 pc
Power adapter	2 pcs

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification Measuring accuracy Image magnification 0.75X 15X ±8µm 1X 20X ±7µm 1.5X 30X ±6µm 2X 40X ±6µm 2.5X 50X ±6µm 3X 60X ±5µm 3.5X 70X ±5µm 80X 4X ±4µm 4.5X 90X ±4µm 5X 100X ±4µm

X-Y glass stage (optional) (X-Y travel: 100×86mm)

ISM-DL-CA1X

ISM-DL-OB2X ISM-DL-STAGE

ISM-DL-STAGE1

page 728~729

page 730

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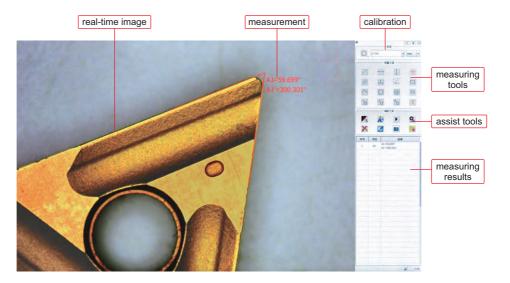
* When measuring the contour of workpieces, please use ISM-DL301 to ensure accuracy.

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

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

SOFTWARE (INCLUDED)

Refer to page 727 for details



OPTIONAL ACCESSORY

X-Y glass stage (travel: 100×86mm)

1X camera adapter 2X auxiliary objective

X-Y metal stage

Auxiliary objective

LED light



DIGITAL MEASURING MICROSCOPE (BASIC TYPE)



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16G USB flash disk (included)



white/black plate (included)

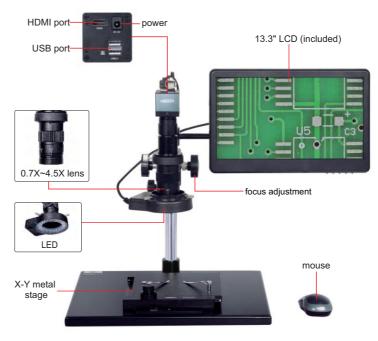


glass calibration ruler (graduation 0.1mm, included)

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5318-MD60 (without stage)



5318-MD60-XY (with stage)

1080P 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
- Brightness, contrast ratio, gain are adjustable

To be continued

Continued from previous page

SPECIFICATION

Code	5318-MD60 (without stage)	5318-MD60-XY (with stage)
Magnification	12.5X~80X	12.5X~80X
Sensor	1/2.8" CMOS	1/2.8" CMOS
Pixel	2M	2M
Resolution	1920×1080	1920×1080
Frame rate	60fps	60fps
Measuring accuracy	±0.02mm	±0.02mm
Lines	cross lines, scale lines (number, color and position of lines are adjustable)	cross lines, scale lines (number, color and position of lines are adjustable)
Output	HDMI	HDMI
Power supply	power adapter	power adapter
Dimension (L×W×H)	380×260×350mm	570×300×430mm
Weight	4.5kg	10kg

STANDARD DELIVERY

Code	5318-MD60 (without stage)	5318-MD60-XY (with stage)
Main unit	1 pc	1 pc
0.5X camera adapter	1 pc	1 pc
1X auxiliary objective	1 pc	1 pc
White/black plate	1 pc	1 pc
Glass calibration ruler	1 pc	1 pc
16G USB flash disk	1 pc	1 pc
Mouse	1 pc	1 pc
HDMI cable	1 pc	1 pc
Power adapter	3 pcs	3 pcs
X-Y metal stage	1	1 pc

MAGNIFICATION AND VIEW FIELD

Auxiliary	Specification	Camera adapter
objective	Specification	0.5X (included)
0.5X (optional)	magnification	6.2~40X
0.5X (optional)	view field	47×26~7.4×4mm
1X (included)	magnification	12.5~80X
	viewfield	23.5×13~3.7×2mm
2X (optional)	magnification	25~160X
	viewfield	11.8×6.5~1.8×1mm

OPTIONAL ACCESSORY	
0.5X auxiliary objective	5318-OB05X
2X auxiliary objective	5318-OB2X

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MEASURING SOFTWARE (INCLUDED)



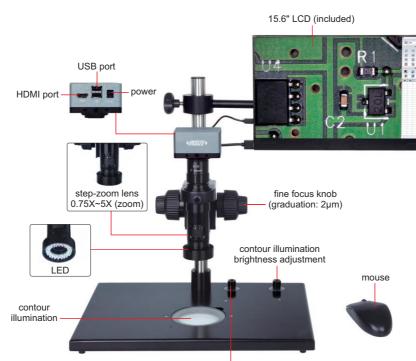


4K DIGITAL MEASURING MICROSCOPE CODE 5310-DL401



MEASUREMENT

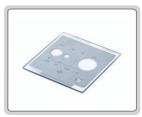




LED brightness adjustment







calibration plate (included)



16G USB flash disk (included)



0.5X camera adapter (included)



1X camera adapter (optional)



1X auxiliary objective (included)



2X auxiliary objective (optional)

To be continued



- 4K 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
- Brightness, contrast ratio, gain are adjustable

SPECIFICATION	l

Magnification	17.6X~120X	
Sensor	1/2.3" CMOS	
Pixel	8M	
Resolution	3840×2160	
Frame rate	4K: 30fps, 1080P: 60fps	
Output	HDMI	
Power supply	power adapter	
Dimension (L×W×H)	570×300×430mm	
Weight	6.5kg	

Continued from previous page

MAGNIFICATION, VIEW FIELD AND MEASURING ACCURACY

Objective magnification	Image magnification	View field	Measuring accuracy
0.75X	17.6X	19.5×11.5mm	±5µm
1X	23.7X	14.0×8.0mm	±5µm
1.5X	36.6X	9.0×5.0mm	±5µm
2X	49X	7.0×4.0mm	±5µm
2.5X	62X	5.5×3.0mm	±4µm
3X	73X	4.5×2.5mm	±4µm
3.5X	85X	4.0×2.2mm	±4µm
4X	97X	3.5×2.0mm	±3µm
4.5X	109X	3.0×1.8mm	±3µm
5X	120X	2.7×1.5mm	±3µm

STANDARD DELIVERY

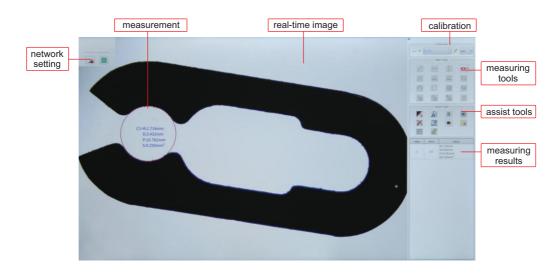
Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	3 pcs

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 100×86mm)	ISM-DL-STAGE
X-Y metal stage (travel: 100×86mm)	ISM-DL-STAGE1
LED light	page 728~729
Auxiliary objective	page 730

SOFTWARE (INCLUDED)

Refer to page 727 for details



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HINSIZE +

HIGH MAGNIFICATION MEASURING MICROSCOPE CODE ISM-DL302



SOFTWARE IS INCLUDED, REFER TO PAGE 727 FOR DETAILS

OBSERVATION AND MEASUREMENT AT HIGH MAGNIFICATION

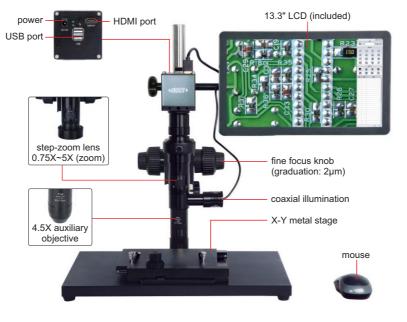


<i>AINSIZE

calibration plate (included)



16G USB flash disk (included)





0.5X camera adapter (included)



1X camera adapter (optional)

- 1080P high-definition image
 Maximum 1000X optical magnification (using camera adapter 1X, optional)
- Built-in software without computer, operated by mouse
- Solid base and column to avoid lens shaking during focusing
- Software is included, refer to page 727 for details

SPECIFICATION

Magnification	78X~504X
Sensor	1/2" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	15kg

SATNDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
4.5X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
HDMI cable	1 pc
X-Y metal stage	1 pc

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
LED light	page 728~729

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Image magnification	Measuring accuracy
0.75X	78X	±5µm
1X	102X	±4µm
1.5X	153X	±4µm
2X	204X	±4µm
2.5X	255X	±4µm
3X	305X	±4µm
3.5X	356X	±4µm
4X	408X	±4µm
4.5X	458X	±4µm
5X	504X	±4µm

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Camera adapter	0.5X (included)	1X (optional)
Magnification	78~504X	156~1008X
Focus distance	14±2mm	14±2mm
View field	2.8×1.7~0.5×0.3mm	1.4×0.9~0.3×0.2mm



- 1080P 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
- Motorized focus stacking
- Send photos and measurement data via ethernet (TCP/IP)
- Name photos and measurement data files with serial number of workpieces read by scanner

SPECIFICATION

Magnification	24.5X~204.5X
View field	2.8×1.6~18×10mm
Focus distance	65mm
Sensor	1/1.2" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	30fps
Output	RJ45
Power supply	power adapter
Dimension (L×W×H)	320×260×500mm
Weight	7kg



focus stacking

focus on the top

╋



focus on the bottom

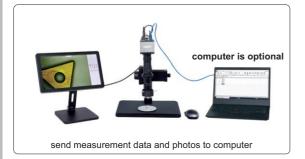


clear image of both top and bottom

To be continued



<i>AINSIZE







calibration plate (included)

16G USB flash disk (included)

STANDARD DELIVERY

Main unit	1 pc
1X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
LED ring light	1 pc
White/black plate	1 pc
Power adapter	3 pcs

MAGNIFICATION AND MEASURING ACCURACY

Objective magnification	Image magnification	Measuring accuracy
0.6X	24.5X	±8µm
0.8X	32.7X	±7µm
1X	40.9X	±6µm
1.5X	61.3X	±6µm
2X	81.8X	±6µm
2.5X	102.2X	±5µm
3X	122.7X	±5µm
3.5X	143.1X	±4µm
4X	163.6X	±4µm
4.5X	184.0X	±4µm
5X	204.5X	±4µm



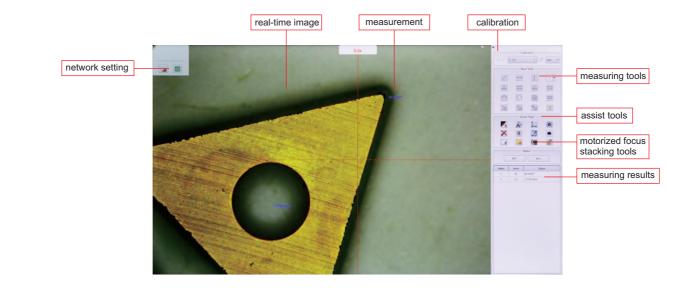
OPTIONAL ACCESSORY

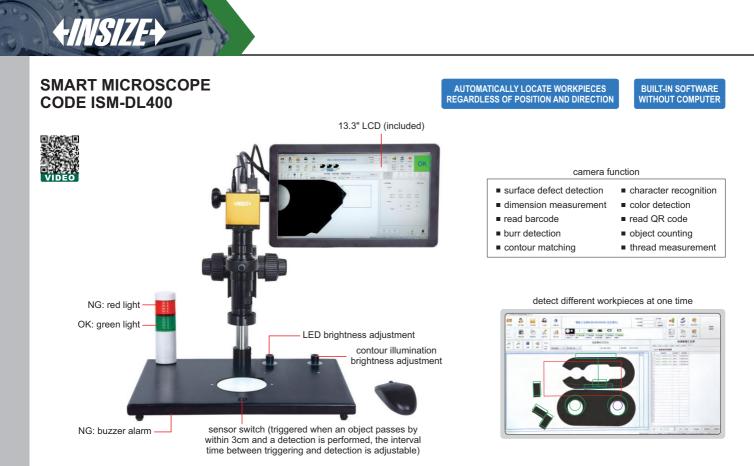
X-Y metal stage (travel: 100×86mm)

ISM-DL-STAGE1

SOFTWARE (INCLUDED)

Refer to page 727 for details





- Automatically identify different workpieces
- Automatically locate workpieces regardless of position and direction
- Built-in software, PLC control input and output interface
- Including multiple detection tools
- Automatically calculate, store the test results and sent to Excel



report showing the perform times of each tool, quantity of OK and NG, the report can be saved

STANDARD DELIVERY

0.5X camera adapter

1X auxiliary objective

Calibration plate

White/black plate

HDMI cable

Power adapter

16G USB flash disk

Main unit

	Detection number	Detection time	Detection color	Number of spots	Maximum rad
1	700101 000641 001		白色	0	0.0000mm
2	700101 001151 001		白色	0	0.0000mm
3	700101 001202 001		白色	0	0.0000mm
4					
5					
6					
8					
9					
10					
11					
12					
13					

report of each detection is automatically created and saved

SPECIFICATION

Magnification	15X~100X
Resolution	1920×1080
Pixel	2M
Single pixel size	3.75×3.75µm
Frame rate	60fps
Sensor	1/2" CMOS
Chip structure	FPGA+ARM
Operation system	Linux 3.10
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

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

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
LED light	page 728~729
Auxiliary objective	page 730

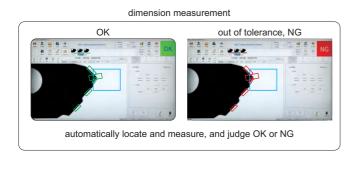
1 pc

3 pcs

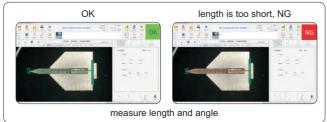
To be continued

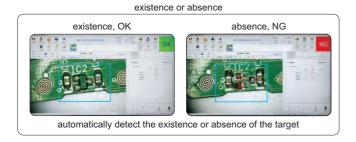
Continued from previous page

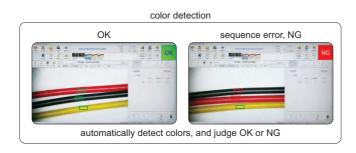
APPLICATION EXAMPLES:

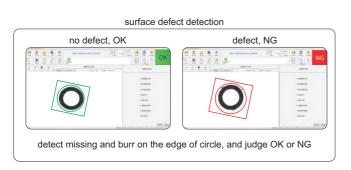


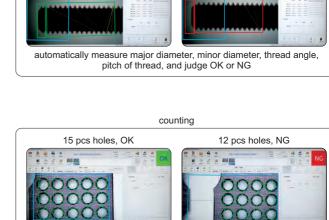
cutting tools measurement











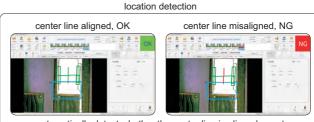
thread measurement

OK

character recognition character is "EF", OK character is "E", NG

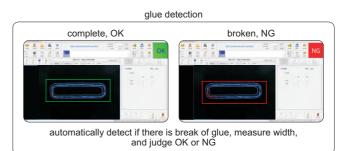
automatically locate and count, and judge OK or NG

automatically detect $% \left({{{\rm{I}}_{{\rm{A}}}}_{{\rm{A}}}} \right)$ letters or numbers in the area, and judge OK or NG



automatically detect whether the center line is aligned or not

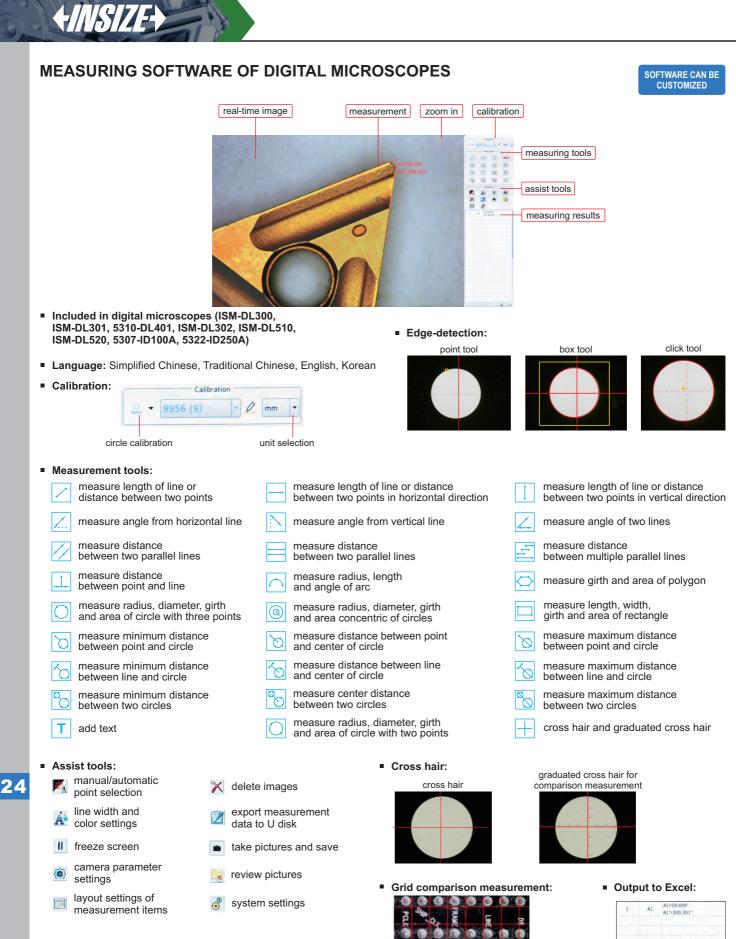




OO

out of tolerance, NG

INSIZE)



Comparison:

set the standard workpiece as the background image, superimpose the measured workpieces on the image for quick comparison

full-screen grid for comparison

measurement, adjustable grid number

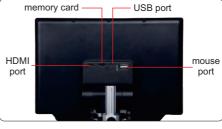
MINI DIGITAL MICROSCOPE (ECONOMIC TYPE) CODE 5311-M710

AINSIZE

TAKE PICTURES AND VIDEOS

BUILT-IN LITHIUM BATTERY







32G memory card and holder (included)



infrared ray remote controller (included)



connect to computer with USB cable, take pictures and videos, make measurement

SPECIFICATION

24

Display resolution	1280×800
Sensor	1/3" CMOS
Pixel	13M
Single pixel size	1.12µm×1.12µm
Frame rate	60fps/30fps
Magnification	6.5X~60X
View field	3.6×2~33×18.5mm
White balance	auto/manual (10 levels RGB)/calibration
Exposure control	AE lock/exposure compensation (10 levels)
Image control	contrast/saturation/sharpness (10 levels)
Record media	memory card (128G Max)
Output	HDMI
Power supply	power adapter
Dimension (LxWxH)	180×200×360mm
Weight	1.3kg

cross hair 0 0 0 0 0 0 0 0 0 0 0 0

grid (color, line width and positions are adjustable)



STANDARD DELIVERY

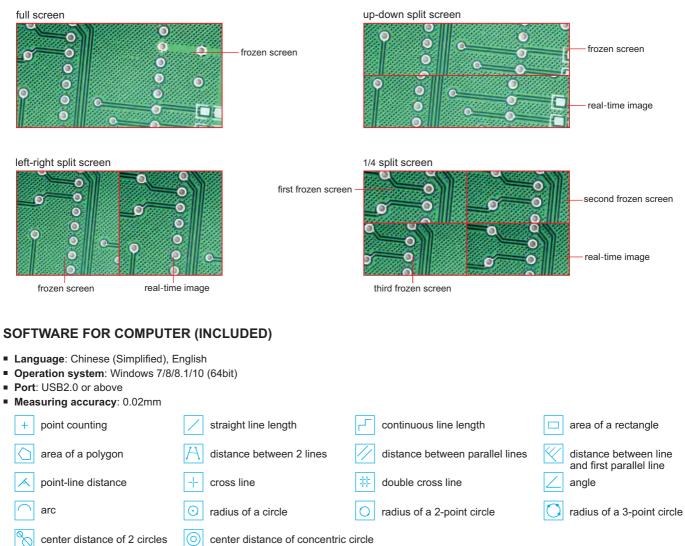
Main unit	1 pc
USB cable	1 pc
HDMI cable	1 pc
IR remote controller	1 pc
32G memory card and holder	1 pc
Plastic calibration ruler	1 pc
Power adapter	1 pc

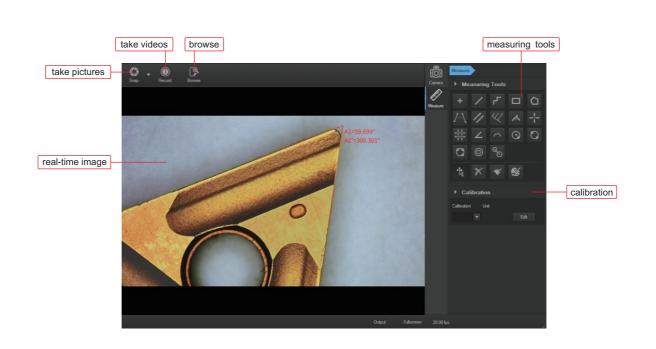
To be continued



Continued from previous page

Screen freezing:





DIGITAL MEASURING MICROSCOPES (ECONOMIC TYPE)



+INSIZE+

- Can take pictures and videos
- Supplied with software
- Calibration rulers
- (graduation 0.1 and 1mm) are included With focus support



Code	ISM-PM200SA	ISM-PM200SB
Magnification	10X~200X	10X~200X
Stand	standard	universal
Pixel	2M (resolution: 1920×1080)	
Illumination	built-in adjustable LED	
Power supply	USB 2.0 cable (voltage required: 5±0.1V)	

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	22mm	9.6×7.1mm	30µm
100X	14mm	4.8×3.6mm	15µm
150X	14mm	3.3×2.5mm	10µm
200X	19mm	2.3×1.8mm	8µm

STANDAER DELIVERY

Main unit	1 pc
USB flash disk	1 pc

OPTIONAL ACCESSORY

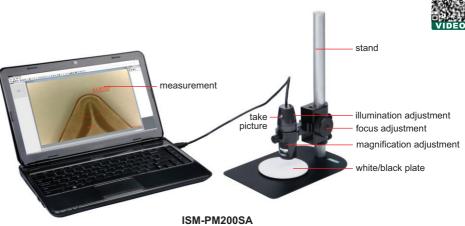
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

SOFTWARE

24

- Language: English, Japanese, Ukrainian, German, French, Italian, Spanish, Chinese
- Operation system: Windows 7/8/XP/Vista
- Measuring tools:

\bigcirc	measure radius, diameter, girth and area of circle with two points	$\widehat{}$	measure radius of arc
\bigcirc	measure area of polygon	\bigcirc	measure radius of circle
00	measure distance between two circles	$\overline{2}$	measure length of continuous line
\checkmark	measure distance between two parallel lines	\checkmark	measure angle with three points
\$	measure angle with two lines	\bigcirc	measure radius, girth and area of circle
\checkmark	measure distance between point and line	Α	add text



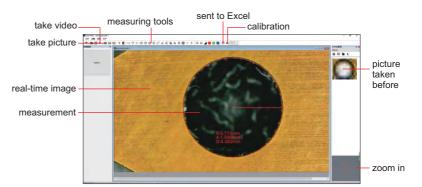
computer is optional



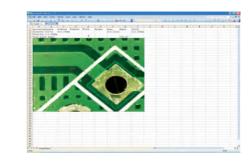


universal stand (included in ISM-PM200SB)





Data is sent to Excel:





WIFI DIGITAL MEASURING MICROSCOPE (ECONOMIC TYPE) CODE ISM-WF200

- Maximum working distance is 5m under WIFI mode
- Can be connected to multiple iPads, Android devices or computers together under WIFI mode
- Take pictures and videos
- Supplied with software

filter (optional)



USB/WIFI switch magnification adjustment

take picture

illumination adjustment

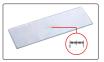




+INSIZE+)



Enderstanding and a



plastic calibration ruler (graduation 1mm, included) glass calibration ruler (graduation 0.1mm, included)

SPECIFICATION

Magnification	10X~200X	
Pixel	1.3M (resolution: 1280×1024)	
Illumination	built-in adjustable LED	
Power supply	built-in rechargeable battery	





connected to Android device by WIFI

STANDARD DELIVERY

Microscope	1 pc
Focus support ring for 80X/150X	1 pc
Focus support ring for 60X/200X	1 pc
Glass calibration ruler (graduation 0.1mm)	1 pc
Plastic calibration ruler (graduation 1mm)	1 pc
Software and USB cable	1 pc
AC/DC adapter	1 pc

OPTIONAL ACCESSORY

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

O Software ISM-WF200 (for iPad by WIFI)

measure length of line or distance between two points

measure radius, girth and area of circle with three points

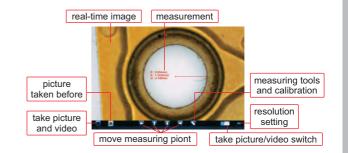
Measure angle





MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

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



To be continued

Software ISM-APK (for Android measure length of line or distance b		
moasure length of line or distance h	d devices by WIFI)	real-time image measurement
	petween two points	
measure radius, girth and area of ci	ircle with three points	
measure angle	+-1	ke picture - O 🛱 🕞 T I I J J N 💽 - resolution setting
	lar	picture move measuring measuring tools
		taken before piont and calibration
Software ISM-WF Partner (for	computer by WIFI)	
measure length of line or distance between two points	measure angle with two lines	s take picture image process tools
measure area of polygon	of circle with two points	ea preview excession and an
measure angle with three points	measure distance between point and line	picture taken image
measure radius, girth and area of circle with center point	measure radius, length and angle of arc	before
M measure length of continuous line	measure area of rectangle	measurement
measure radius, girth and area of circle with three points		(001/01) ####&################################</td></tr><tr><th>distance between two points measure length of continuous line</th><th>point and linemeasure area of rectangle</th><th>take video</th></tr><tr><td>measure radius, length and angle of arc</td><td>measure angle with two lines</td><td>Excel sent to comparison</td></tr><tr><td>measure distance between two circles</td><td>I add number with circle</td><td>CAD CAD</td></tr><tr><td>measure distance between two parallel lines</td><td>measure angle with three poir</td><td>nts picture taken zoom in</td></tr><tr><td>measure radius, girth and area of circle</td><td>A add text</td><td>before</td></tr><tr><td>dge detection measurement tools:</td><td></td><td></td></tr><tr><td>detect line automatically, and calcu</td><td>Ilate length</td><td>detect two lines automatically, and calculate angle</td></tr><tr><td>detect arc automatically, and calcul angle and arc length</td><td>late radius,</td><td>detect two parallel lines automatically and calculate distance</td></tr><tr><td>detect circle automatically, and calc</td><td>culate radius, girth and area</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>Comparison tools: Create line, angle or circle with desired si</td><td>ze, to compare with workpieces</td><td>Data is sent to CAD or Excel:</td></tr><tr><td>create line create and</td><td></td><td>ance</td></tr><tr><td></td><td>12.5.4 MINT MATTE</td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>



ZOOM STEREO MICROSCOPE (ADVANCED TYPE) CODE 5107-S70T







LED ring light (optional)

- Greenough optical system, clear observation, real color
- High working distance is convenient for operation
- Excellent flat image and large depth of field, make observation comfortable
 6.7:1 large zoom ratio, allow quick observation adjustment

SPECIFICATION

Optical tube	trinocular	
Eyepiece (wide field)	10X (view field: Ø22mm)	
Objective	0.67X~4.5X (zoom)	
Observation tube	45° trinocular tube inclination angle, built-in 0.5X adapter	
Zoom ratio	6.7:1	
Pupil distance	50~75mm	
Diopter adjustment	-8~+5 diopter (both eyepieces)	
Working distance of objective	110mm	
Max. workpiece height	106mm	
Illumination	adjustable LED light	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	330×300×368mm	
Weight	3.5kg	



frosted glass filter (included)



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STANDARD DELIVERY

Main unit	1 pc
10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Austilians	0.5X	5107-S70T-OB05X
Auxiliary objective	1.5X	5107-S70T-OB15X
	2X	5107-S70T-OB20X
Eyepiece	15X (view field: Ø16mm)	5107-S70T-EP15X
Гусрієсе	20X (view field: Ø12.5mm)	5107-S70T-EP20X
LED ring light		ISM-ZS-RL
Digital camera		ISM-CM20, ISM-CM63, ISM-ZS70-S
-		



PARALLEL LIGHT STEREO MICROSCOPE CODE ISM-ZS200

-INSIZE+





- Infinity parallel optical system and 20° inclined optical tube reduce fatigue
- Coaxial illumination is optional for deep holes which cannot be observed by ring light
- Aperture diaphragm is optional for large depth of field and high quality image



STANDARD DELIVERY

Main unit	1 pc
WF10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc

SPECIFICATION

Optical tube	binocular (20° inclined)
Eyepiece (wide field)	10X (view field: Ø22mm)
Objective	0.8X~8X (zoom)
Zoom ratio	1:10
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (both eyepieces)
Working distance of objective	78mm
Max. workpiece height	72mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	240×280×440mm
Weight	4.3kg

OPTIONAL ACCESSORY

	0.5X achromatic objective (focus distance: 186mm)	ISM-ZS200-OB05X*
Objective	2X plan achromatic objective (focus distance: 32.5mm)	ISM-ZS200-OB2X
	0.5X plan apochromatic objective (focus distance: 126mm)	ISM-ZS200-APO05X*
	WF15X (view field: Ø16mm)	ISM-ZS200-EP15X
Eyepiece	WF20X (view field: Ø12mm)	ISM-ZS200-EP20X
	WF30X (view field: Ø20mm)	ISM-ZS200-EP30X
Sleeve for objective		ISM-ZS200-ADAPTER
Iris diaphragm		ISM-ZS200-IRD
Optical path splitter		ISM-ZS200-OBS
Coaxial illumination		ISM-ZS200-COAXIAL
Digital camera **		ISM-CM20, ISM-CM63

*0.5X auxiliary objective must be used with ISM-ZS200-ADAPTER

**Digital camera must be used with optical path splitter

ZOOM STEREO MICROSCOPES (ADVANCED TYPE)



ISM-ZS100T

LED ring light (optional)

SPECIFICATION

<i>AINSIZE

Code	ISM-ZS100	ISM-ZS100T
Optical tube	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø23mm)	
Objective	0.6X~5X (zoom)	
Zoom ratio	1:8.3	
Pupil distance	55~75mm	
Diopter adjustment	±5 diopter (two eyepieces)	
Working distance of objective	115mm	
Max. workpiece height	75mm	
Illumination	adjustable reflected and transmitted LED light	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	260×310×490mm	
Weight	4.9kg	

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STANDARD DELIVERY

Main unit	1 pc
Camera connector 0.55X for ISM-ZS100T	1 рс
Digital camera adapter 1X for ISM-ZS100T	1 pc
WF10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Auxiliary	0.5X (focus distance: 220mm)	ISM-ZS100-OB05X *	
objective	0.7X (focus distance: 125mm)	ISM-ZS100-OB07X	
objective	2X (focus distance: 45mm)	ISM-ZS100-OB2X	
	WF15X (view field: Ø16mm)	ISM-ZS100-EP15X	
Eyepiece	WF20X (view field: Ø12mm)	ISM-ZS100-EP20X	
	WF30X (view field: Ø8mm)	ISM-ZS100-EP30X	
Sleeve for	auxiliary objective	ISM-ZS200-ADAPTER	
LED ring light		ISM-ZS-RL	
Digital camera for ISM-ZS100T		ISM-CM20, ISM-CM63, ISM-ZS70-S	

*0.5X auxiliary objective must be used with ISM-ZS200-ADAPTER



-INSIZE+





ISM-ZS50

SPECIFICATION

Code	ISM-ZS50	ISM-ZS50T
Optical tube	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø22mm)
Objective	0.8X~5X (zoom)	
Zoom ratio	1:6.3	
Pupil distance	55~75mm (adjustable)	
Diopter adjustment	±5 diopter (two eyepieces)	
Working distance of objective	115mm	
Max. workpiece height	75mm	
Illumination	adjustable reflected and transmitted LED light	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	290×260×480mm	
Weight	4.9kg	

STANDARD DELIVERY

Main unit	1 pc
WF 10X eyepiece	2 pcs
Ø100mm glass plate	1 pc
Ø100mm white/black plate	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X*	
Auxiliary objective	2X	ISM-ZS50-OB2X	
	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS50-EPD10X	
Eyepiece	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X	
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X	
LED ring light		ISM-ZS-RL	
Sleeve for auxiliary objective		ISM-ZS200-ADAPTER	
Digital camera for ISM-ZS50T		ISM-CM20, ISM-CM63, ISM-ZS70-S, ISM-KM60	

*0.5X auxiliary objective must be used with ISM-ZS200-ADAPTER

ZOOM STEREO MICROSCOPES (WITH UNIVERSAL STAND)





SPECIFICATION

AINSIZE

Code	5106-M40	5106-M40T	5106-M50	5106-M50T
Stand	type A		type B	
Optical tube	binocular	trinocular	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø22mm)		
Objective	0.8X~5X (zoom)			
Zoom ratio	1:6.3			
Pupil distance	55~75mm			
Diopter adjustment	±5 diopter (two eyepieces)			
Working distance of objective	115mm			
Max. workpiece height	300mm			
Illumination	adjustable reflected LED ring light			
Power supply	power adapter			
Dimension (L×W×H)	610×220×430mm 790×230×430mm			
Weight	13.7kg 20kg			

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STANDARD DELIVERY

Main unit (with stand)	1 pc
WF10X eyepiece	2 pcs
LED ring light	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

Auxiliary	0.5X	ISM-ZS50-OB05X*
objective	2X	ISM-ZS50-OB2X
	10X dividing eyepiece (0.1mm/div.)	ISM-ZS50-EPD10X
Eyepiece	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Adapter sleeve		ISM-ZS30-ADAPTER
0.5X adapter for 5106-M40T/M50T		ISM-MAS-ADAPTER
Digital camera for 5106-M40T/M50T **		ISM-CM20, ISM-CM63

*0.5X auxiliary objiective must be used with ISM-ZS30-ADAPTER

**Digital camera must be used with 0.5X adapter ISM-MAS-ADAPTER

ZOOM STEREO MICROSCOPE (BASIC TYPE) CODE ISM-ZS30

-INSIZE+





SPECIFICATION

Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	1X~4.5X (zoom)
Zoom ratio	1:4.5
Pupil distance	55~75mm (adjustable)
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	97mm
Max. workpiece height	60mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	260×190×400mm
Weight	4.3kg



LED ring light (optional)

STANDARD DELIVERY

Main unit	1 pc
WF 10X eyepiece	2 pcs
Ø95mm glass plate	1 pc
Ø95mm white/black plate	1 pc
Anti-dust cover	1 pc

OPTIONAL ACCESSORY

	0.5X	ISM-ZS30-OB05X*	
Auxiliary	0.63X	ISM-ZS30-OB06X*	
objective	0.75X	ISM-ZS30-OB07X*	
	2X	ISM-ZS30-OB2X	
	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS30-EPD10X	
Eyepiece	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X	
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X	
LED ring lig	Jht	ISM-ZS-RL	
Sleeve for auxiliary objective		ISM-ZS30-ADAPTER	
Digital camera		ISM-CM63	
Camera adapter 0.75X ***		ISM-AD-0D75	

 $\textbf{*}0.5\textbf{X},\,0.63\textbf{X}$ and 0.75X auxiliary objectives must be used with <code>ISM-ZS30-ADAPTER</code>

**Digital camera must be used with camera adapter 0.75X

CAMERA ADAPTERS

<i>AINSIZE



- Ø23.2/30mm eyepiece adapter is included
- Suitable for digital cameras ISM-CM20, ISM-CM63, ISM-ZS70-S, ISM-KM60

Ø23.2/30mm eyepiece adapter (included)



0.5X camera adapter (fixed focus distance) ISM-AD-0D5

0.5X

0.5X camera adapter

(adjustable focus distance)

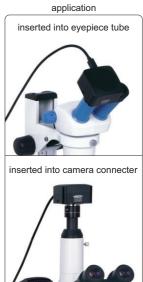
ISM-AD-A0D5



0.75X camera adapter (fixed focus distance) ISM-AD-0D75



0.75X camera adapter (adjustable focus distance) ISM-AD-A0D75



SPECIFICATION

Code	ISM-AD-0D5	ISM-AD-A0D5 *	ISM-AD-0D75	ISM-AD-A0D75
Туре	fixed focus distance	adjustable focus distance	fixed focus distance	adjustable focus distance
Magnification	0.5X	0.41X~0.58X	0.75X	0.64X~0.86X

focus distance

adjustment ring

*There may be shadows on the edge of image when ISM-AD-A0D5 is used

PORTABLE MEASURING MICROSCOPES



SPECIFICATION

Code	ISM-PM20	ISM-PM40	ISM-PM50	ISM-PM100
Total magnification	20X	40X	50X	100X
Eyepiece	10X with graduation	10X with graduation	10X with graduation	10X with graduation
Objective (achromatic)	2X (numerical aperture: 0.05)	4X (numerical aperture: 0.1)	5X (numerical aperture: 0.12)	10X (numerical aperture: 0.25)
Working distance	17.2mm	18mm	17.6mm	7mm
Graduation	0.05mm	0.025mm	0.02mm	0.01mm
Viewing field	Ø9mm	Ø4.5mm	Ø3.6mm	Ø1.8mm
Focus range	30mm			
Illumination	LED light			
Diameter of base	Ø63mm			
Height	210mm			
Weight	650g			

STANDARD DELIVERY

Main unit	1 pc
Pen light	1 pc
Battery (AAA)	2 pcs