

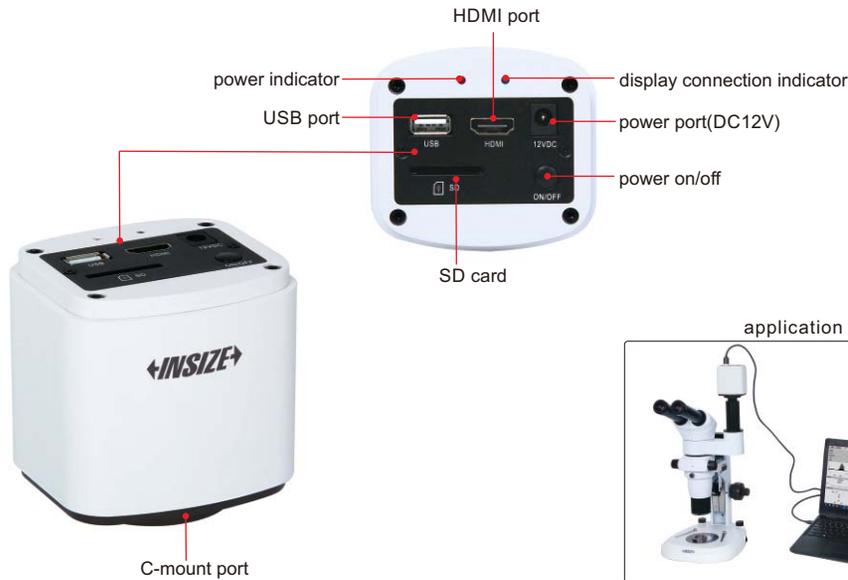
# DIGITAL CAMERA FOR MICROSCOPES

## PART NO. ISM-CM20

FOCUS STACKING

AUTOMATIC IMAGE STITCHING

ATTENTION: ADAPTERS ARE NEEDED ACCORDING TO MICROSCOPES



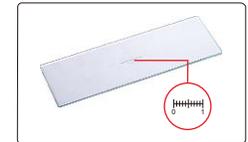
application



adapter 0.5X(optional)



glass calibration rule (included, graduation 0.1mm)

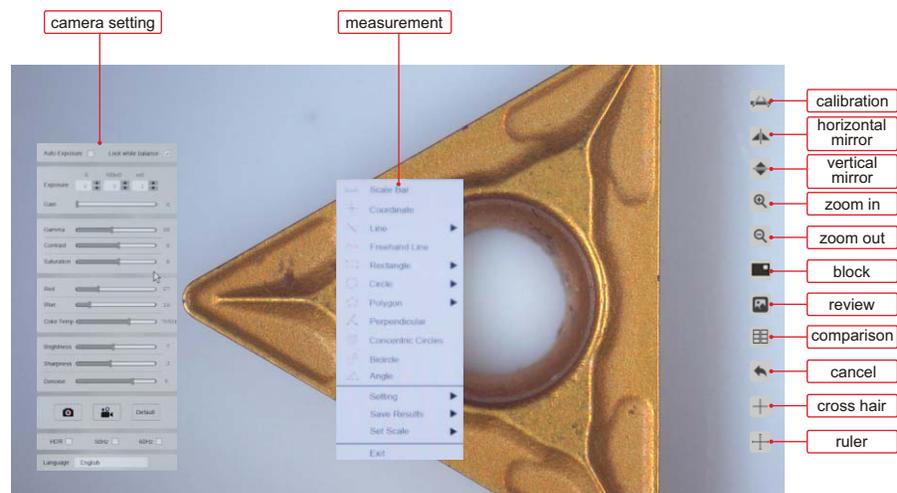


- 1080P high-definition image
- Can be connected with displays or computers
- Built-in simple measuring software for displays, without computer
- Professional measuring software for computers is included
- For bright field, dark field or fluorescent field
- Automatic exposure, white balance, gain adjustment, gamma correction, brightness contrast adjustment, saturation adjustment, chroma sharpness adjustment
- Focus stacking, automatic image stitching

## SIMPLE MEASURING SOFTWARE (BUILT-IN, FOR DISPLAYS)

### Measurement tools:

- measure length of line or distance between two points
- measure distance between point and line
- measure rectangle
- measure concentric circles
- measure circle
- measure curve
- measure polygon
- measure center distance of two circles
- measure angle of two lines



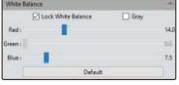
Auto exposure, white balance, gain adjustment, gamma, chroma contrast adjustment, brightness sharpness adjustment, size measurement

**PROFESSIONAL MEASURING SOFTWARE(INCLUDED, FOR COMPUTERS)**

**selectable resolution**

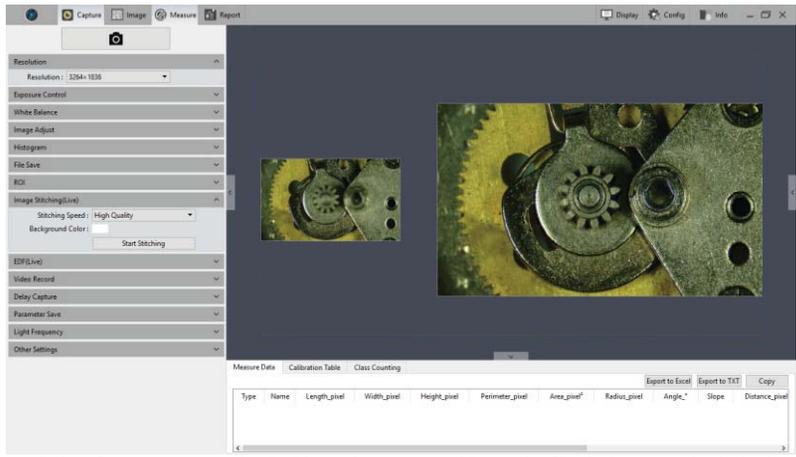


**white balance**  
(balance color based on actual light source)



**histogram**  
(quantify the distribution of color and brightness)





**flat field correction**



**metrics flow**  
(create templates, set tolerances and build metrics flow)



**manual counting**  
(class counting)



Image coloring, fluorescence synthesis, binary, image smoothing, color filter/color extraction/color inversion, delay capture, focus stacking, automatic image stitching, metrics flow, manual counting, dynamic and static measurement, layered measurement, report generation and printing, delay record, flat field correction, image adjustment, histogram.

**focus stacking**


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focus on the top

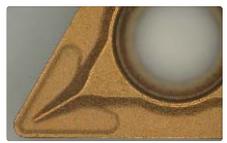
focus on the bottom

clear image of both top and bottom

**automatic image stitching**


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slowly move the workpiece to generate a stitched image automatically  
(the image can not be used for size measurement)

**SPECIFICATION**

Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	30fps
Power supply	power adapter
Output	HDMI/USB
Lens connection	C-mount

**COMPUTER REQUIREMENT**

Operation system	Windows 7/8/10(64 bit)
CPU	Intel Core i5 or above
Memory	8GB or above
USB port	USB 3.0

**DISPLAY REQUIREMENT**

Size	13" or above
Resolution	1080P or above
HDMI port	TYPE A

**STANDARD DELIVERY**

Main unit	1 pc
16G memory card and holder	1 pc
Mouse	1 pc
HDMI cable	1 pc
Glass calibration rule (graduation 0.1mm)	1 pc
USB cable	1 pc
Power supply	1 pc

**OPTIONAL ACCESSORY**

Adapter 0.5X	ISM-MAS-ADAPTER
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