DIGITAL CAMERA FOR MICROSCOPES
CODE ISM-CM20

FOCUS STACKING

AUTOMATIC IMAGE STITCHING

HDMI port

power indicator

display connection indicator

USB port

power port (DC 12V)

SD card

power on/off

C-mount port

application

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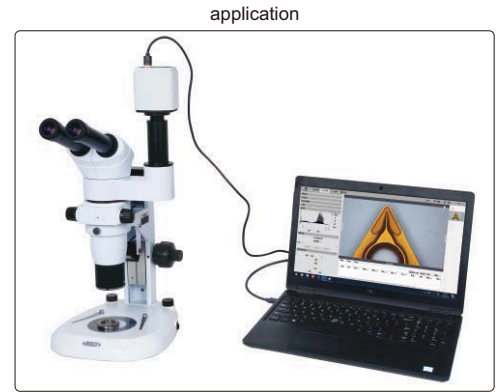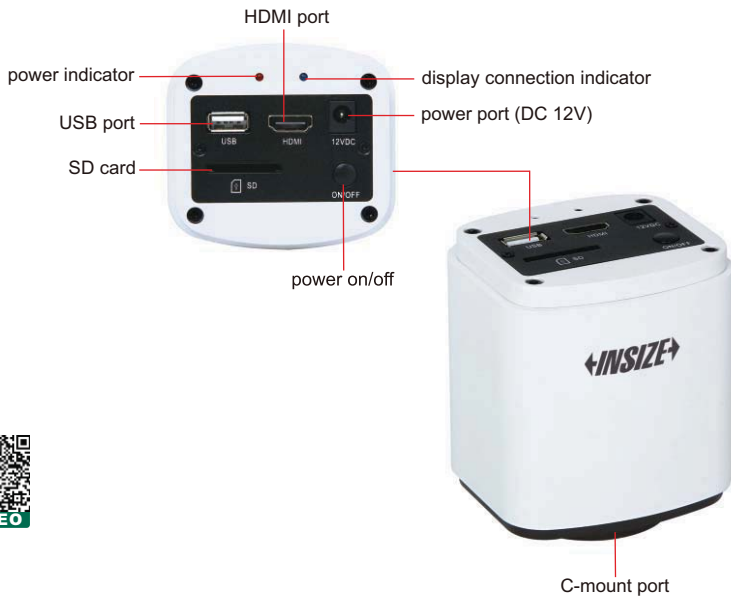
- 1080P high-definition image
- Can be connected with displays or computers
- Built-in simple measuring software for displays, without computer
- Professional measuring software for computers is included
- For bright field, dark field or fluorescent field
- Automatic exposure, white balance, gain adjustment,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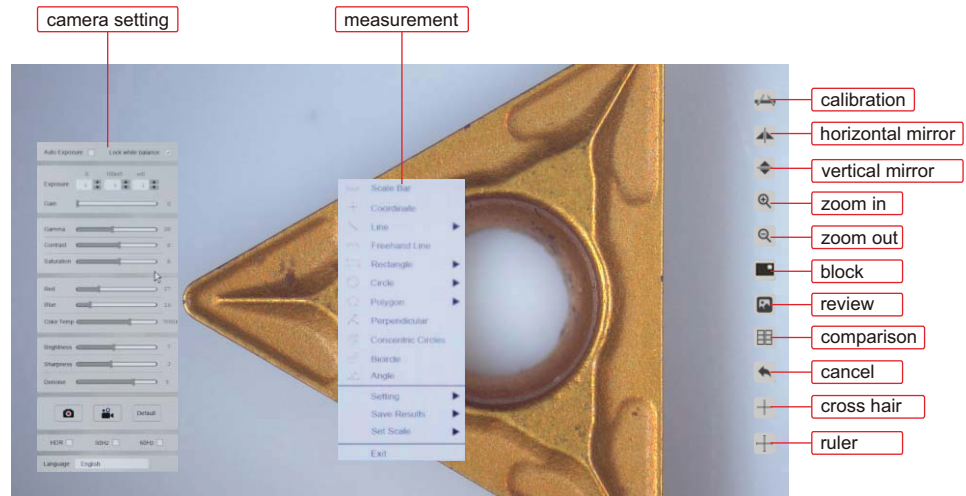- Focus stacking, automatic image stitching

glass calibration rule
(included, graduation 0.1mm)

adapter 0.5X (**optional**)
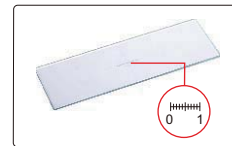
SIMPLE MEASURING SOFTWARE (BUILT-IN, FOR DISPLAYS)

- **Measuring 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

camera setting

measurement

calibration

horizontal mirror

vertical mirror

zoom in

zoom out

block

review

comparison

cancel

cross hair

ruler

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

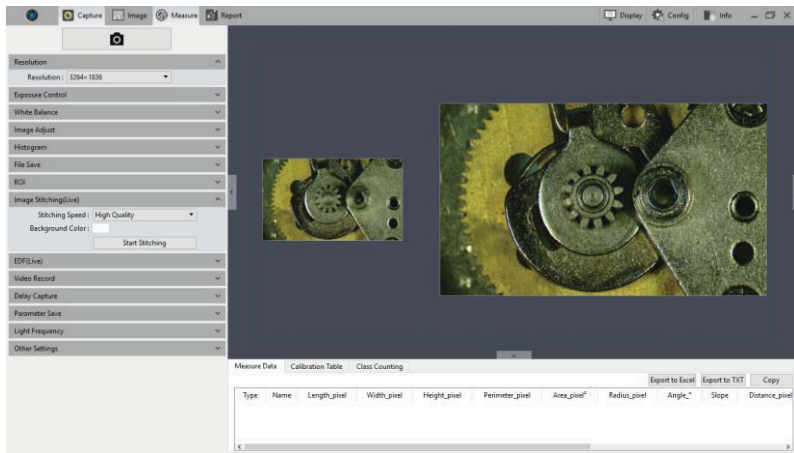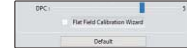## PROFESSIONAL MEASURING SOFTWARE (INCLUDED, FOR COMPUTERS)

selectable resolution
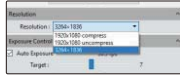
white balance (balance color based on actual light source)

histogram (quantify the distribution of color and brightness)

flat field correction

metrics flow (create templates, set tolerances and build metrics flow)
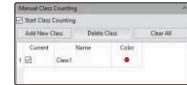
manual counting (class counting)

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

focus on the top   +   focus on the bottom   →   clear image of both top and bottom

automatic image stitching

slowly move the workpiece to generate a stitched image automatically (this 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 (optional) 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 (optional) 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
Glass calibration rule (graduation 0.1mm)	1 pc
Mouse	1 pc
HDMI cable	1 pc
USB cable	1 pc
Power supply	1 pc

OPTIONAL ACCESSORY

Adapter 0.5X	ISM-MAS-ADAPTER