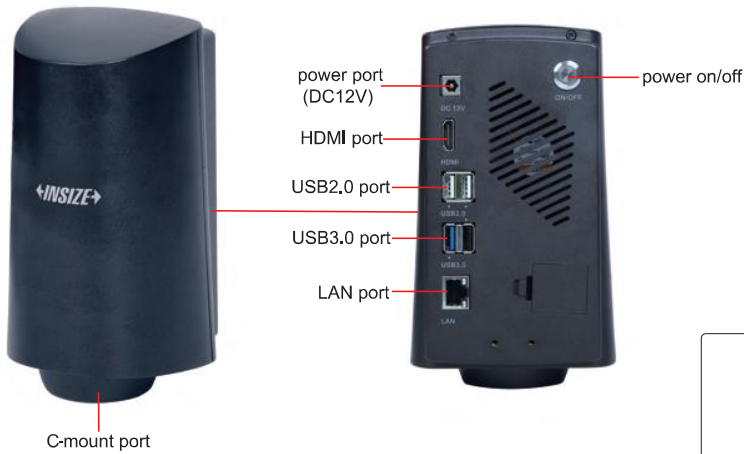


3D LARGE DEPTH OF FIELD CAMERA CODE ISM-DF80

AUTO FOCUS

ROTATABLE
OBSERVATION

STEREOSCOPIC 3D IMAGING
AND MEASUREMENT



mounted for use on microscope



- Built-in measuring software for display, without computer
- 2D observation and measurement, auto focus
- Focus stacking for large depth of field observation
- Constructing 3D imaging and 3D measurement
- Creating report automatic and data can be exported
- Real-time wide dynamic, effectively eliminating reflections on metal surfaces

SOFTWARE

capture image calibration 2D auto 3D report chromatogram height height difference measurement
processing measurement measurement measurement

Smart Software

3D Measure

3D Display 3D Histogram

3D Profile 3D Surface

Height Curvature Area

Profile Selection

x1: 0.00 μm x2: 351.68 μm
y1: 0.00 μm y2: 197.82 μm
Distance: 403.49 μm

Report

2D Image, 3D Image
 3D Profile
 3D Surface

Create Report

File Save

File Name: HeightData + yyyy-MM-dd-hh-mm-ss
File Path: /home/hida/Desktop/Imager/3D
 3D Height Data
Save
Open 3D Image

Measure Tool

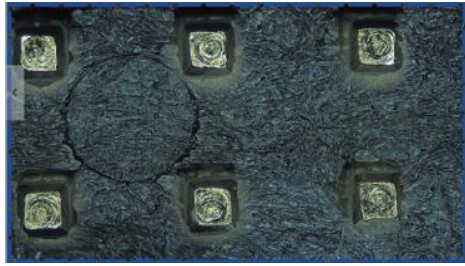
Width: 402.995μm Height: 3.680μm

Height(μm)

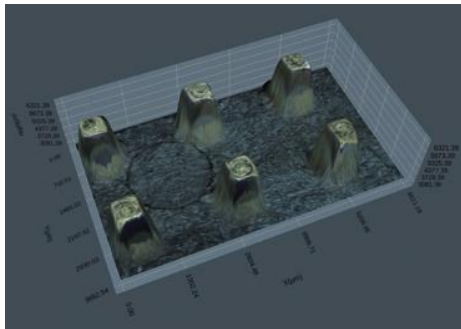
μm

Height Data	HeightMeasure Data					
X1	Y1	X2	Y2	Distance	HeightDiff	
1	0.00μm	0.00μm	351.31μm	197.45μm	402.995μm	3.680μm

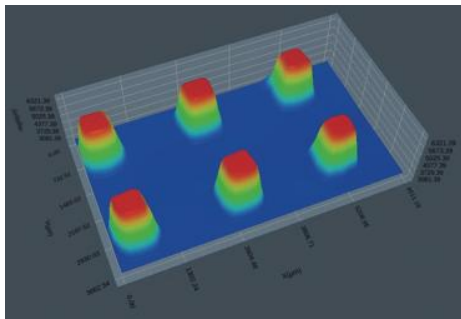
3D COMPOSITE IMAGE



depth of field synthesized image

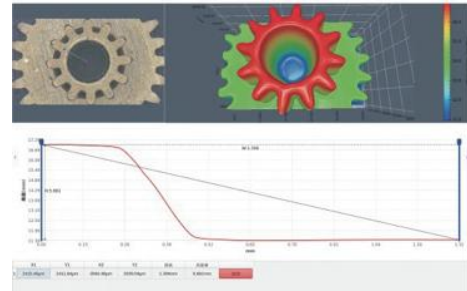


3D composite image

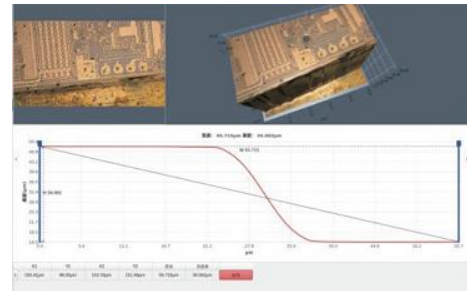


chromatogram height image

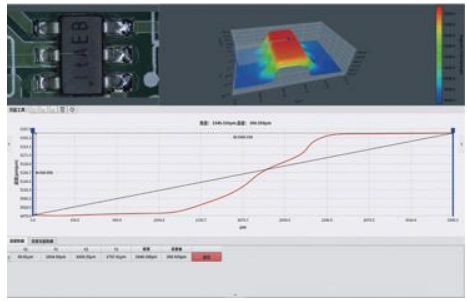
3D MEASUREMENT APPLICATION



measurement of component bore height



measurement of height difference of metal parts



measurement of board height differences

SPECIFICATION

Sensor	1/2" CMOS
Resolution	1920×1080
Pixel	2M
Single pixel	3.75×3.75μm
Frame rate	60fps(normal)/30fps(WDR)
Output	HDMI/LAN
Lens connection	C-mount
Exposure	auto: 0.1~16.6ms, manual: 0.0001~1s
Power supply	110~220V, 50/60Hz
Dimension(L×W×H)	87×181×103mm
Weight	2500g

STANDARD DELIVERY

Camera	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
Keyboard	1 pc
HDMI 2.0 cable	1 pc
Glass calibration rule	1 pc
Galibration block	1 set
Power adapter	1 pc