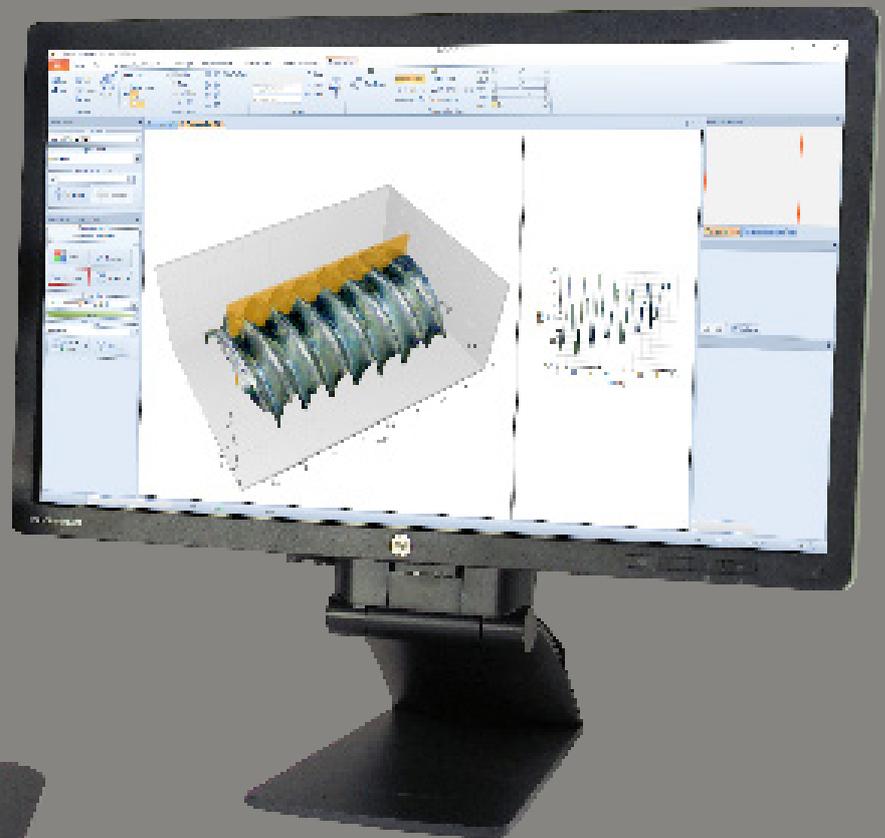




Modus 6ZS - 3D Digital Microscope

- ▶ High-resolution
- ▶ High-speed
- ▶ Cost-effective
- ▶ 3D and 2D measurements
- ▶ Roughness measurement



DeltaPix Modus 6ZS-3D

The DeltaPix Modus 6ZS is a complete digital microscope system that is designed for inspection, documentation, and analyses such as measurements in 2D ,3D topographies as well as roughness measurement according to guidelines of ISO 25178-2:2012.



High quality, cost effective and flexible

This 3D microscope comes complete with a high-resolution digital camera, high-quality 6X manual zoom optics, motorized z-stage, controller, track, base, ring light, and software. Many options for upgrading this system is available, for more information please contact DeltaPix or your local DeltaPix dealer.



User-friendly System

Plug and play – the USB interface provides high-speed and ease of installation on any computer.



Applications

The 3D Microscope is a versatile system suitable for a wide range of applications.

Typical applications:

	Modus 6ZS-3D	
Recommended applications	PCB inspection	✓
	Documentation and Archiving	✓
	Macro Imaging	✓
	Quality control	✓
	3D topographies	✓
	Roughness	✓
	2D measurement	✓

Why choose DeltaPix Modus 6ZS-3D

Low cost and Effective

The Modus 6ZS from DeltaPix with a first in class price/performance ratio starting price from 9995€. ideal for inspection, documentation, and analyses such as measurement in 2D and 3D as well as 3D topographies in surface metrology, all in a compact, user-friendly and cost-effective system.

Construction and Hardware

The DeltaPix Modus 6ZS is designed and constructed by an experienced team of engineers that are specialized in optics and microscopy. Each part of the system is been carefully designed to provide the best imaging and measurement results.

Ergonomic working posture

Digital microscopes provides a better working posture, this is due to the completely digital output of the microscope – there are no eyepieces which can strain the on the neck and eyes. Working in a straight, upright posture can help prevent health issues due to physical strain.

Great Image quality

Discover more details with high-resolution and more crisp images with the included camera.

The DeltaPix Modus 6ZS combines a high-resolution camera with high-quality Japanese optics for precise and distortion free image.

DeltaPix InSight Software

The Modus 6ZS Include DeltaPix InSight software which is a powerful platform for precise measurements and analyses.

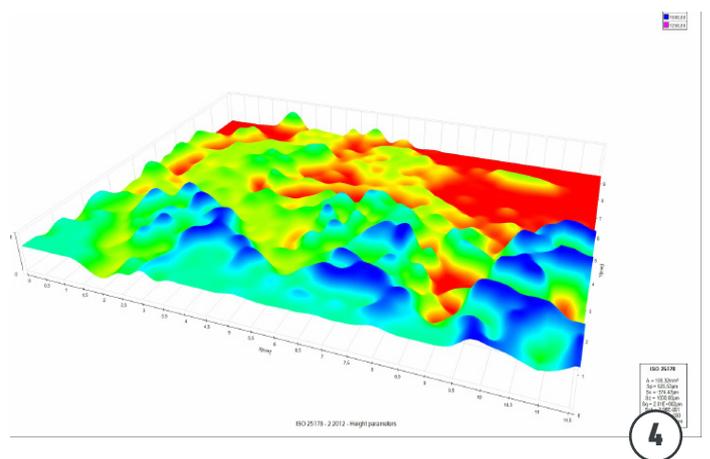
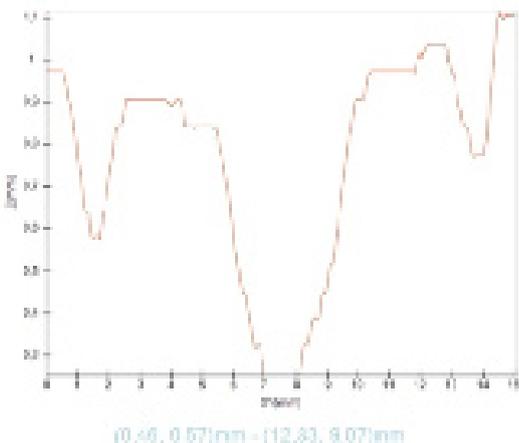
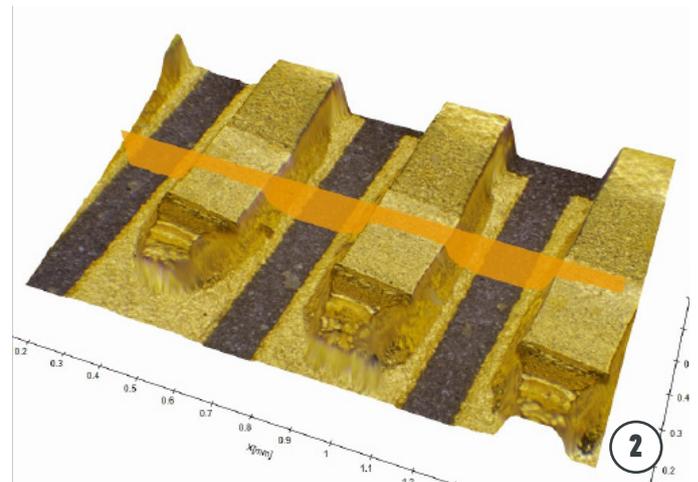
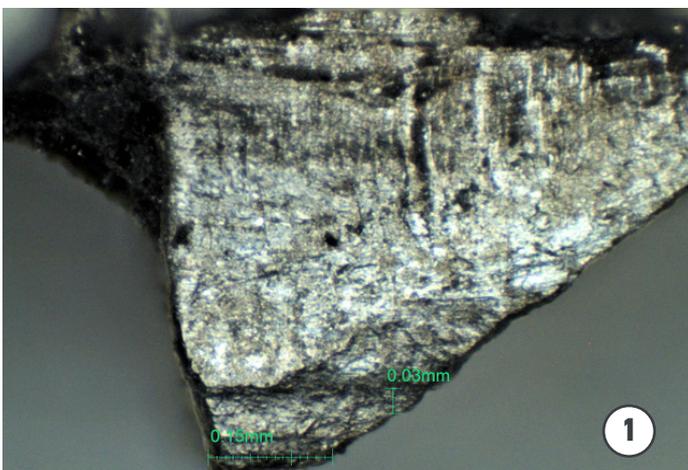
DeltaPix InSight provides the user with a multitude of features, for a wide range of advanced applications with an easy-to-use user interface. For example, images stacking, HDR for wide dynamic images, 3D measurements/ 3D topography, and Roughness Measurement.

1. Image of a sawtooth

3. 3D measurement

2. 3D image of SMD

4. Roughness



Modus 6ZS-3D

Features

	Modus 6ZS-3D
Live preview resolution	2592 x 1922 @ 14FPS with Invenio 5SIII 3840x2560 @ 15FPS with Invenio 10EIII
Still image resolution	5 Mpixels (2592 x1922) Invenio 5SIII 9.83Mpixels (3840 x 2560) Invenio 10EIII
Sensor size	1/2.5" (5.7mm x 4.28mm) Invenio 5SIII 2/3" (9.15mm x 6.86mm) Invenio 10EIII
Working Distance	92.3mm
Zoom ratio	0.7X-4.5X
Field of view	Invenio 5SIII (standart) 10.18mm - 1.59mm Invenio 10EIII (Optional) 16.33mm - 2.54mm
Magnification	85x-553x (Invenio 5SIII) 90x-543x (Invenio 10EIII)
Motorized Z travel range	50mm
Spatial Resolution	11.6 - 4.9 μ m
Axial Resolution	1 μ m
Illumination	LED Ring Light/ Coaxial light as option
Data interface	USB 3.0 and USB 2.0
Data format and compression	24-bit uncompressed Tiff, 24bit JPEG compressed and 24-bit loss-less compressed JPEG2000
Minimum PC requirements	Intel I5 (quad core) CPU 8 GB RAM 15 GB free hard disk space Graphic card USB 3.0 port and USB 2.0 Windows 7,8 ,10 64 bit
Optional	Manual XY stage

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