



Video Inspection System

Full HD (1080p)

inspect • rework • repair

Full HD Video Inspection System

Exceptional live imaging. Effortless simplicity.

HD1080p Resolution



On screen magnification display.

With Vision Z₂, it is all about the exceptional HD image.

And the simplicity. And the versatility. And the high quality, ergonomic design... all packed into a compact, lightweight unit, making Vision Z₂ highly portable too.

Vision Z₂ is ideal for a very wide range of precision magnification tasks, including:

Production areas, R&D, Laboratory, Micro assembly, Electronics, Micro mechanics, Automotive, Dental technology, Medical device, Forensics, Quality control tasks, Presentation and training...

- ✓ Exceptional full HD high contrast imaging.
- ✓ Integral image capture via USB.
- ✓ Extremely large field of view (295mm with standard 4D lens)
- ✓ Large working distance (250mm with standard 4D lens)
- ✓ Zoom magnification options up to 122x



Just plug in your USB stick...



Vision Engineering has over 50 years experience in the design and production of innovative inspection and measurement systems for the manufacturing sector.

Vision Engineering is ISO 9001:2008 certified. Vision Z₂ is manufactured in the EU and fully CE (EMC & safety) approved.



System details



Integral image capture via USB

- ✓ HD 1080p camera (1920x1080)
- ✓ 1.8x - 50x magnification*
- ✓ Instant image capture via USB
- ✓ 250mm working distance*
- ✓ Auto or manual focus
- ✓ Adjustable LED illumination

* with standard 4D lens

System functions are accessed via an integrated keypad.

- Zoom in / out
- High contrast mode
- Crosshair size / colour
- Brightness
- Overview
- Image capture

Options

Struktura stand

Keep the workspace clear. Provides wide adjustment of the working distance, with ergonomically positioned monitor stand.

Note: VESA monitor interface required for Struktura stand.



Magnification

(with 24" monitor)

Lens	Magnification
3D	1.3x - 36x
4D*	1.8x - 50x
5D**	2.3x - 62x

* standard option with Benchtop stand

**standard option with Struktura stand

External control console

The intelligent control console includes additional functions such as memory save / recall, image capture, overlay grid & dimensioning lines, as well as the convenience of mouse control.



Imaging software

Instantly capture an HD image. The captured images can be used for further processing, or stored in a variety of formats including BMP, JPEG & TIFF.



Note: An HD (720p) camera option is also available.

Technical

Optical Data						
Lens	Working distance (max.)	Magnification range*	Field of view min. magnification (width)	Field of view min. magnification (height)	Field of view max. magnification (width)	Field of view max. magnification (height)
3D	333mm	1.3x - 36x (71x digital)	390mm	226mm	14.2mm (8mm digital)	7.9mm (4mm digital)
4D	250mm	1.8x - 50x (98x digital)	295mm	172mm	10.3mm (5mm digital)	5.7mm (2.8mm digital)
5D	200mm	2.3x - 62x (122x digital)	234mm	137mm	8.2mm (4mm digital)	4.6mm (2.2mm digital)

* with 24" monitor.

4D lens standard option with Benchtop stand.

5D lens standard with Struktura stand.

Specifications	
Camera resolution	HD 1080p (1920x1080)
Connections	HDMI out
Focus	Auto / manual
Dimensions	Benchtop stand: 410 mm x 240 mm x 350 mm
	Struktura stand: Height 700 mm x Arm max reach 800 mm
Weight	2.5kg
Power supply	100/240V, 50/60Hz
Power consumption	8 Watts
Recommended monitor*	16:9 DVI & HDMI Response time: 5ms Signal: HD 1080p

* Available with, or without monitor

Contact your Vision Engineering representative for recommended monitors.