



# High Definition Video Inspection System

Inspect · rework · repair

# HD Video Inspection System

Exceptional imaging. Highly versatile.



**Large working distance**  
(250mm with standard 4D lens,  
shown with Benchtop stand).

With VisionZ, 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 VisionZ highly portable too.

VisionZ 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 HD image quality and resolution.
- ✓ Excellent colour rendition and contrast.
- ✓ Large field of view.
- ✓ Zoom magnification options up to 120x.



**Vision**  
ENGINEERING

*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. VisionZ is manufactured in the EU and fully CE (EMC & safety) approved.*

# System details



- ✓ HD 720p camera (1280x720)
- ✓ 2x - 55x magnification\*
- ✓ 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
- Height adjustment
- High contrast mode
- Brightness
- Snapshot
- Overview

## Options

### Struktura stand

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



### Magnification

(with 22" monitor)

Lens	Magnification
3D	1.25x - 35x
4D*	2.0x - 55x
5D**	2.5x - 60x
10D	5.5x - 120x

\* 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 (with optional software), overlay grid & dimensioning lines, as well as the convenience of mouse control.



### Image capture 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.



# Technical

Specifications	
Camera resolution	HD 720p (1280x720)
Connections	HDMI out
Focus	Auto / manual
Dimensions	Benchtop stand: 410mm x 240mm x 350mm
Weight	1.1kg
Power supply	100/240V, 50/60Hz
Power consumption	8 Watts
Recommended monitor*	16:9   DVI & HDMI Response time: 5ms   Signal: HD 720p

\* available with, or without monitor.

Optical Data			
Lens	Working distance	Magnification range*	Field of view (max.)
3D	333mm	1.25x - 35x	294mm
4D	250mm	2.0x - 55x	219mm
5D	200mm	2.5x - 60x	174mm
10D	100mm	5.5x - 120x	87mm

\* with 22" monitor.

4D lens standard option with Benchtop stand

5D lens standard with Struktura stand.

## For more information...

Vision Engineering has a network of offices and technical distributors around the world. For more information, please contact your Vision Engineering branch, local authorised distributor, or visit our website.

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