



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 color rendition and contrast
- ✓ Large field of view
- ✓ Zoom magnification options up to 120x



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

Keeps 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 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 authorized distributor, or visit our website.

Distributor

CE

VisionZ_enUS1.0/0513

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