

# Vision Makroptic Digital Inspection System

Digital image capture, documentation and measurement software with integrated high-resolution 36x optical zoom



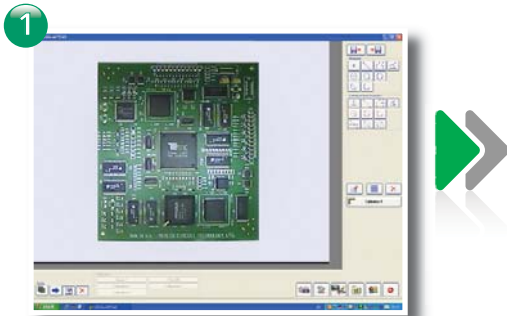
Vision Makroptic is an exceptional digital inspection system designed for effortless image capture, archive and documentation. With a 36:1 optical zoom, Vision Makroptic can capture samples up to 205mm wide; then simply zoom in for further feature analysis, all with superb clarity.

Whether you want to simply capture images, annotate, magnify or measure, Vision Makroptic simplifies imaging and documentation tasks in a powerful digital video and software package.

An exceptionally large field of view permits image capture of complete samples and with a maximum zoom magnification of x60\*, users can pin-point details with reference to the full sample.



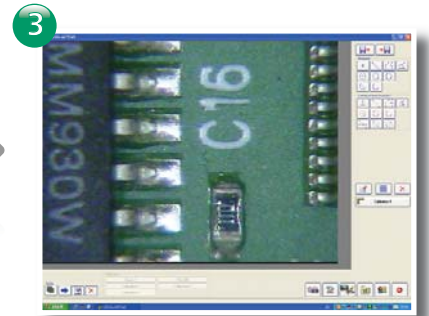
## Capture a full image of a sample



## Zoom in to view more detail



## See fine image detail at full zoom



## At a glance ...

- Exceptionally large field of view, up to 205mm wide
- 36:1 optical zoom permits detailed investigation of features (maximum magnification 60x). Manual or automatic focus
- Full array of annotation tools, including text, arrows, markers and measurements
- Perform simple 2D measurements. Measure point-to-point, circles, angles, projections, areas and circumferences
- Save captured images in JPEG, BMP or TIFF format
- CAD file import option, allowing inspection with CAD overlay

\* Based on a 17" monitor at 1280 x 1024 resolution

† Laptop/PC not included

## More features ...

- Small footprint with high stability for applications requiring precision inspection
- Illumination offers both incident and transmitted light for inspection of surface finish and component profiles
- Comprehensive and easy-to-use software
- Five calibrated zoom positions, maximising measurement accuracy and repeatability
- Special effects include black & white, negative and mirror options
- Five preset options for memorising settings

## Additional Information

### PC Installation

- Requires Windows-compatible PC\*
- Software supplied with PCI card or USB 2.0 interface

### Laptop Installation

- Requires Windows-compatible laptop\*
- Software supplied with USB 2.0 interface

\* Not supplied

### Camera Details

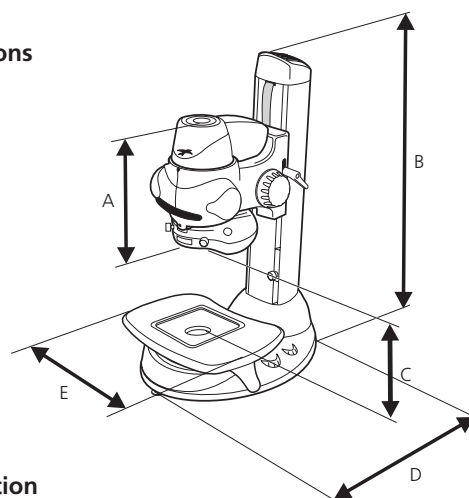
- High Horizontal Resolution of 530 TV lines
- Newly developed 1/4-type EXview HAD CCD
- Backlight compensation technology dramatically improves camera dynamic range by 128 times

| Technical Details |                       |                       |                  |
|-------------------|-----------------------|-----------------------|------------------|
| Objective Lens    | Maximum Field of View | Minimum Field of View | Working Distance |
| Wide Field        | 205mm                 | 5.75mm                | 197mm            |
| Macro             | 82mm                  | 3.25mm                | 80mm             |

**Note:** Both objective lenses supplied as standard

### Dimensions

- A = 206mm
- B = 540mm
- C = 169mm
- D = 380mm
- E = 310mm



### Illumination

- LED surface illumination (10,000 hours life)
- LED substage illumination (10,000 hours life)

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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