

VH-7000

Cost Effective Solutions for your Microscopy Needs.

Microscopy is a meticulous, time intensive and labor intensive discipline which can seriously impact your business productivity in a numerous ways. The VH-7000 was built to address these issues and overcome them.

Saving Time

- No pre-preparation or sampling time required for target observation, regardless of the size or shape of the target.
- With it's detachable high-definition monitor, group observation and analysis of targets can occur real-time, allowing for quicker discussion and consensus building among the participants.



GROUP REVIEW MADE EASY WITH VH-7000

- Immediate documentation of on-screen images, via portable high-resolution printer or export to floppy media for later analysis.
- Displayed images can be quickly exported and transmitted via internet (e-mail, FTP) for remote evaluation.

Saving Money

- Portable capabilities allow for on-site inspection reducing quality control costs.
- Reduces risk of costs incurred for discarded products and defective materials.
- Increased inspection productivity by reducing labor intensive preparation costs.

Saving Resources

- Non-destructive observation of targets reduces inventory and material waste.
- Frequency and efficiency of product inspection improves product quality.
- Immediate non-obtrusive observation of targets in-the-field, reducing risk of compromising or contaminating subject material in transport.



PC Compatible Functions

- Built-in SCSI port provides easy data transmission of image data between the controller and any PC.
- Both Super Disk and 3.5-inch FD supported. Super Disks can store as much as 120 MB of data, or 600 images on a single disk.
- Windows*-based file management program.
- Export features allow users to import images into word processing or layout software programs.

Measurement Functions

- The VH-7000's graphical user interface and mouse ensure user-friendly operation.
- Detachable mouse allows for easy transport and decreases chance of damage.
- With simple mouse operation you can measure the distance, radius, angle or area of targets on-screen. Many measurement functions can be combined for simultaneous measurement.
- Measured data can be stored on a disk separately or together with the image data.



EASY OPERATION VIA GUI & MOUSE

About Keyence...

Since it's founding in 1974, Keyence has developed a constant stream of innovative sensor and measurement instruments. To find out more about the VH-7000 and what digital microscopy can mean for your business, call 1-800-475-3922 for detailed product literature or visit www.keyenceup.com.



**PORTABLE HIGH DEFINITION
MICROSCOPY FOR THE DIGITAL AGE**

Your Next Target Should Be Digital.

The VH-7000 is the latest in digital microscopes from Keyence— the pioneer of portable digital microscopy. Many advanced features not found in conventional optical microscope systems, have been fully integrated into this technologically innovative diagnostic tool.



Microscope Innovations.

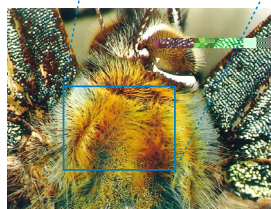
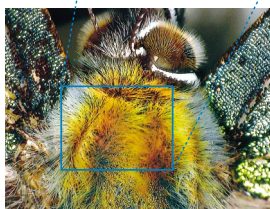
The VH-7000 offers many “industry-firsts” in microscopy, touting a 3000x magnification range which translates into tremendous business and science application benefits. The 1.5 million pixel high-definition (HD) CCD in its VH camera generates images at a resolution of 1434 x 1050 pixels, providing vividly clear images of minute targets.

Butterfly Cross-Section

Image with 900,000 pixel CCD



Image with 1.5 million pixel CCD

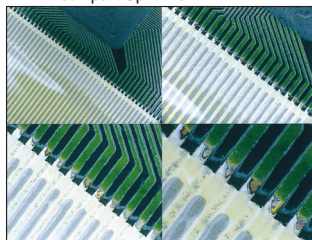


The digital VH camera requires no stabilization or mounting fixtures, allowing users to monitor a target by simply directing the camera lens to the desired area. This “free angle” observation capability allows users to find the target point easily. Unlike conventional microscopes, you don’t have to place a target on the stage, so even a large object can be observed quickly and easily without any preparation.



NO PREPARATION OF TARGET NEEDED

TAB - Four-part Split View

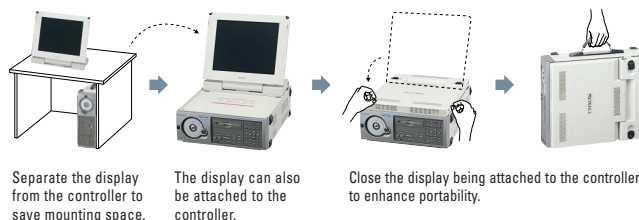


NEW COMPARATIVE SPLIT-SCREEN & ZOOM FUNCTIONS

The VH-7000 can also display multiple target observations and magnifications simultaneously utilizing newly integrated split-screen and zooming functions.

These features allow the monitor screen to be split horizontally or vertically, enabling observers to inspect between acceptable and unacceptable samplings at the same time.

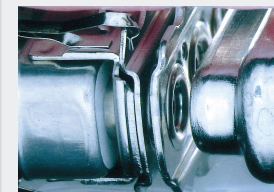
Configure as You Need It



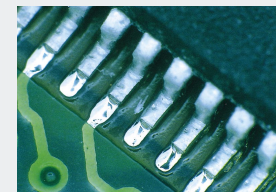
The Microscope for Every Need in Every Industry.

With an array of lens/mounting options and a comprehensive range of on-screen display measurement software tools at your disposal, the VH-7000 can meet even the most technical diagnostic observation demands with ease.

Electrical machinery/Electronics

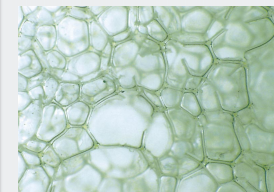


Electron gun (25x)



Soldering on a PC board (100x)

Chemical/Material



Polyurethane foam (150x)

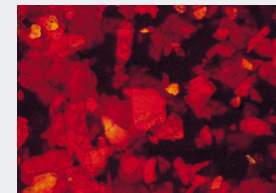


Medicine (50x)

Transportation/Metal



Electrode of xenon arc lamp (175x)



Paint (mica) (1000x)

Biotechnology



Butterfly scales (2000x)



Tick (750x)