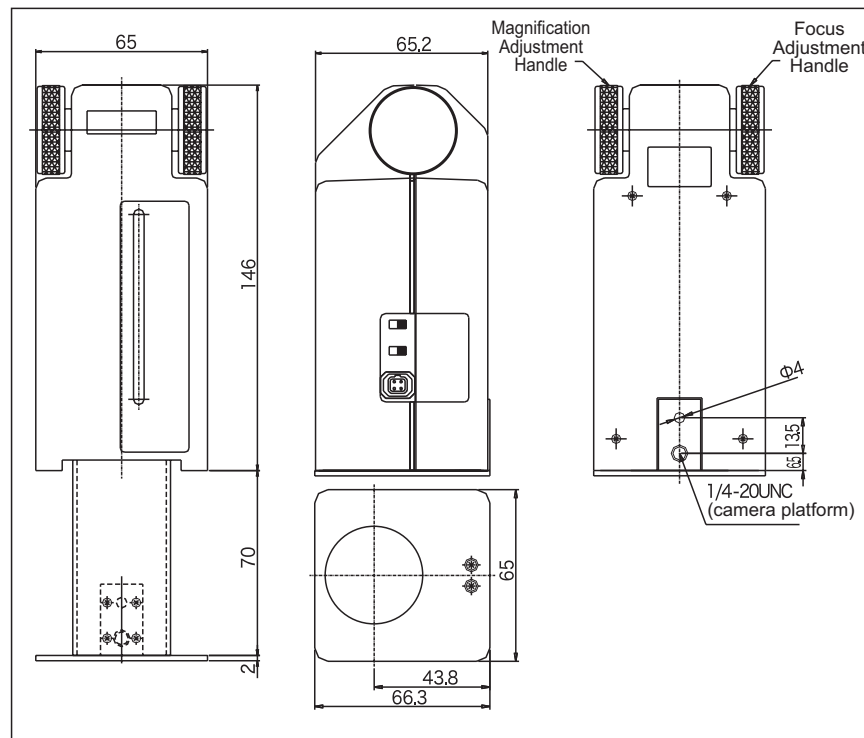


● Standard Parts

| DS-3N/NL/NSL | DS-3U/UL/USL | DS-3USV/USVL | |
|------------------------------|--------------|--|---|
| Video Microscope | 1 | USB Microscope | 1 |
| Cable Coupler with switch | 1 | USB cable | 1 |
| AC adapter | 1 | Diffusion filter | 3 |
| Video Cord with RCA pin-plug | 1 | Black and white stage | 1 |
| Diffusion filter | 3 | Installation CD (contains Device driver) | 1 |
| Black and white stage | 1 | Installation Guide | 1 |
| Storage case | 1 | CamView Lt software | 1 |
| User's Manual | 1 | Storage case | 1 |
| Warranty Card | 1 | User's Manual | 1 |
| | | Warranty Card | 1 |

● Specifications



●Note: The specifications may be changed without prior notice.

The DS-3 Series

micro

Micro Square

A High Performance Product to Cope with Various Situations

- Quality Assurance Sites
- Research and Development
- Manufacturing

DS-3N Model:

A model that can display clear magnified images on TV. The magnification can be adjusted to your needs.

DS-3U Model:

A model that can display clear magnified images on the PC screen. Enables you to measure the distance between two points and to save the data to the PC.

- Resolution: 640 x 480
- Interface: USB1.1
- Operating System: Windows 2000, Windows XP

DS-3USV Model:

A high-speed and high-resolution model. Enables you to measure the distance between two points and to save the data to the PC.

- Resolution: 800 x 600
- Interface: USB2.0
- Operating System: Windows 2000, Windows XP



DS-3USV

DS-3N

micro

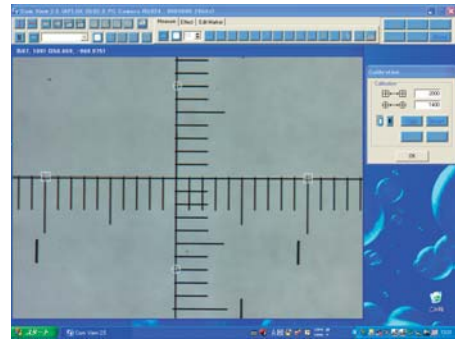
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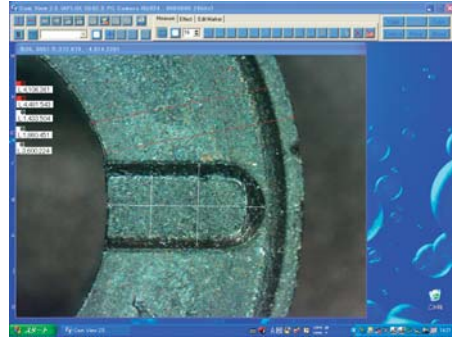
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■ For details, contact the following:

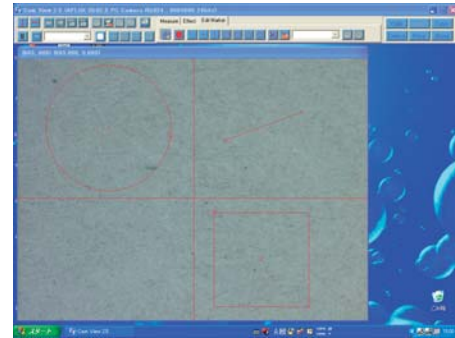
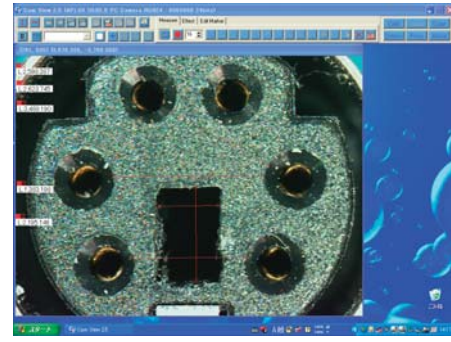
● CamView Lt - Standard Software



You can input the horizontal and perpendicular values on the editing scale for calibration.



You can measure the distance between two points.



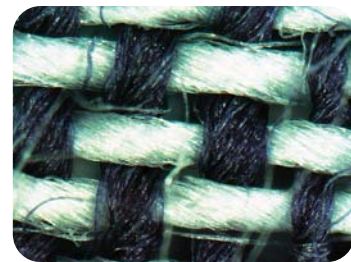
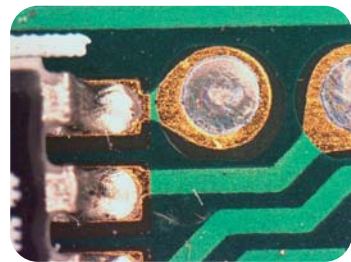
You can create your own marker (horizontal, vertical, diagonal, circle, square, oval, or rectangle)



You can save the measured values together with the markers as JPEG and bitmap files on your PC.

CamView Lt functions:

- File format: JPG and BMP
- Overlaying of measured data
- Changeable pitch scale overlays
- Markers: vertical, horizontal, diagonal, circle, square, oval, or rectangle
- Measurement: editing of two points
- Special effects: reversal of contrast
- Adjustments: brightness, contrast



● Data on Magnification

| Model | DS-3N | DS-3NL | DS-3NSL | DS-3U | DS-3UL | DS-3USL | DS-3USV | DS-3USVL |
|-----------------------|---|-----------|-----------|-----------|-----------|-----------|---|------------|
| Interface | TV | TV | TV | USB1.1 | USB1.1 | USB1.1 | USB2.0 | USB2.0 |
| Elements | Color CCD | Color CCD | Color CCD | Color CCD | Color CCD | Color CCD | Color CMOS | Color CMOS |
| Resolution | 542H-496V | 542H-496V | 542H-496V | 640x480 | 640x480 | 640x480 | 800x600 | 800x600 |
| Operating Environment | Windows 2000, XP with Pentium2 350MHz or higher | | | | | | Windows 2000, XP with Pentium3 850MHz or higher | |
| Magnification | x1-x450 | x1-x230 | x1-x120 | x1-x450 | x1-x230 | x1-x120 | x1-x300 | x1-x150 |

| Width and depth for each magnification (mm) | | | | | | | | | Observation Range (mm) | Focus length (micron) |
|---|-----|----|----|-----|----|----|-----|----|------------------------|-----------------------|
| x 50 | 20 | 51 | 85 | 20 | 51 | 85 | 12 | 39 | 5.2x4 | 1500 |
| x100 | 11 | 33 | 49 | 11 | 33 | 49 | 8 | 26 | 26x2 | 450 |
| x200 | 5.5 | 23 | - | 5.5 | 23 | - | 4.5 | - | 1.3x1 | 200 |
| x300 | 3.5 | - | - | 3.5 | - | - | 2.5 | - | 0.87x0.67 | 100 |
| x450 | 2 | - | - | 2 | - | - | - | - | 0.55x0.4 | 50 |

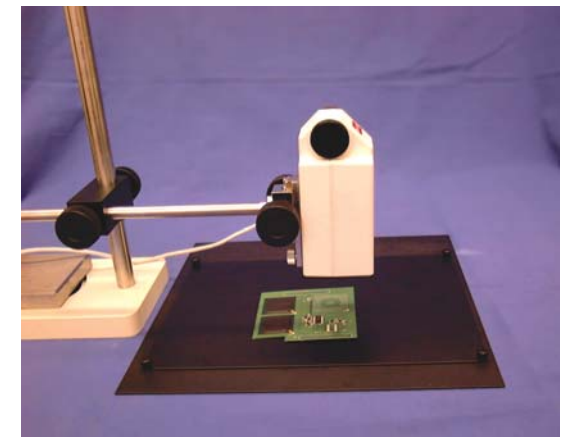
● Combination with the Options



Free Mounting Stand

Place the foot of the magnetic stand on a metallic platform then tilt the encasing to see an object at an angle.

(The metallic platform shown above is not shipped with the stand.)



Camera Fixture MS-BL-01 and Black Stage MS-BS-01

These options are useful when observing a wide area such as the size of an A4 paper. The Black Stage is moved manually.



DS-XYS Stand

A standard stand with an X-/Y-axis stage. The Z-axis can be adjusted finely or roughly by a knob. This option is useful when the distance with the object is close and when you need high magnification.



DSM STAND25

(Measuring Stand)

This option is useful when you need to attain a reliability under 1/100 mm for the X- and Y-axis at a display resolution of one micron. The measurement range is within 25 mm on the X- and Y-axis.

The measurement process is as follows:

1. Place one end of the object on the cross line (shown by the software) of the PC screen.
2. Set the micrometer head to zero.
3. Place the other end of the object on the cross line by turning the micrometer head.
4. The moved readings will be digitally displayed on the micrometer head.