Electronic Parts (CCD/IC/substrate, etc)

IC Terminals 100x (Zoom Lens)  IC Terminals 200x (Zoom Lens)

CCD 100x (High Resolution)  CCD 200x (High Resolution)

Inner IC 200x (High resolution)
**Images using Zoom Lens (25～200x)**

If you use a zoom lens, you do not have to change lenses. It gives both a low magnification (20x) and a high magnification (200x) using the same lens.

The zoom lens enables you to observe the object roughly with 25x to start with, and then enlarge the necessary part by adjusting to 200x.
Images using Polarization/Non-polarization lens

The polarization/non-polarization lens will let you observe polarization and non-polarization images without changing the lens.

- Polarization image of a substrate

- Non-polarization image of a substrate

- Polarization image of the soldering part

- Non-polarization image of the soldering part
Metallic Processing/Metal Texture

Wear status of a metallic industrial tool

Surface defect on a worked surface of a metal

Cutting surface of a metal

Cutting surface of a metal

Polished surface of a metal

Polished surface of a metal
Images of Metal Texture using Coaxial Illumination Lens Holder

It is quite difficult to take a picture of a glossy metallic surface using a normal lens due to light reflection and diffused reflection. However, this is possible by using the coaxial illumination lens holder.
Investigation of foreign substances in food by food manufacturers

Detect foreign substances with low magnification using a zoom lens, and examine with higher magnification once the foreign substance is found.

Colony of microorganism (50x)

Colony of microorganism (100x)
Images by attaching to a microscope

You may attach the DG-3 to a microscope using the microscope attachment lens.

Image of a microorganism by attaching DG-3 to a microscope (800x)
Quality Control Function

DG-3 can be used for total inspection of a product at a quality control department.

Cross-section of a tennis racket string (100x)

Cross-section of a tennis racket string (200x)

Checking the processing condition of a bead (100x)

Checking the processing condition of a bead (100x)

Checking the finished condition of a resin molded product (50x)

Checking the finished condition of a metallic product (50x)
Fiber

Finespun fiber such as glass wiping cloth (100x)

Normal fiber (100x)
Printing

Special illumination lens can be used to examine materials that use specific ink such as passports.

**Passport**

Normal lighting

Ultraviolet lighting

**Postmark**

Normal lighting

Infrared lighting

**Ink staining on a passbook**

Normal lighting

Infrared lighting
Tire Track Lens

Special lens will visualize tire tracks that are not detectable with normal lighting.