

Portable digital color meter microscope

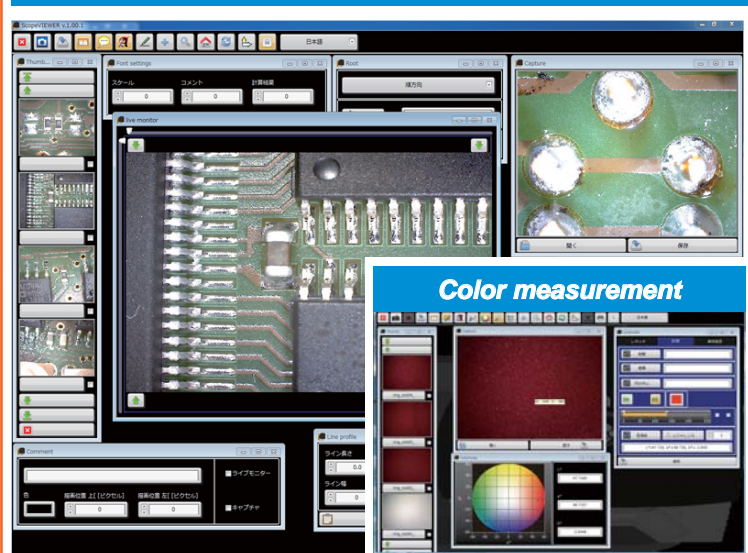
HandyScope



Body: **HandyScope**



Software: **ScopeVIEWER**



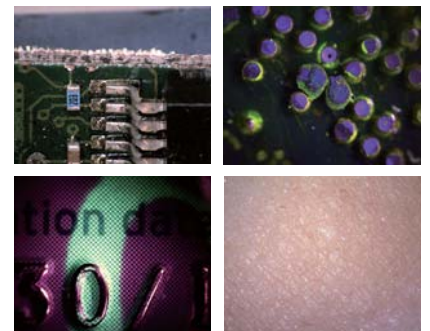
HandyScope is a portable digital microscope with high magnification and high resolution. It has equipped with UV and IR LED light source addition to White LED. So, can be obtained NIR reflection and UV fluorescence image, and expanded up to 140 times by using CMOS sensor 2 megapixel. And this microscope has another colormeter function, which can measure $L^*a^*b^*$ chromaticity. The software also supports movie recording as well as picture image. It also has various functions such as length measurement, area calculation and binarization processing. In addition, you can operate in any language such as English to Japanese other than because it is multi-language. It is available on Windows tablet, you can use it conveniently taken out to the site feel free to biological research, and educational applications and outdoor manufacturing plant.

Feature

- Light source: White, UV, IR
- High resolution: 2 megapixel
- High magnification: 40 - 140X
- Small size and Light wait
- Available on Windows tablet
- Capture: Picture and Movie
- $L^*a^*b^*$ chromaticity measurement

Application

- Industrial parts inspection
- Electronic circuit board inspection
- UV fluorescence observation
- Bill appraisal
- Jewelry appraisal
- Print color measurement
- Archaeological artifact observation
- Outdoor biological research
- Insect observation
- Education
- Cosmetic color measurement
- Textile color measurement



Spectra Co-op

<http://www.spectra.co.jp>

Specification

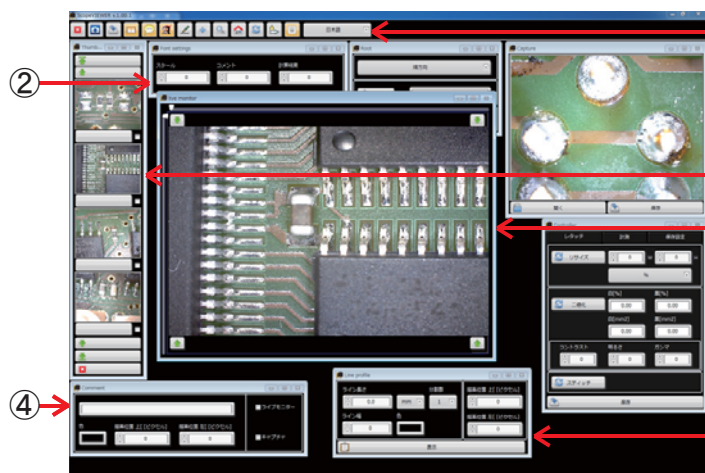
Body	
Sensor	1/3" CMOS
Pixel	1600×1200
Light source	White, UV, IR LED
View field	8 x 9.5mm @40X 2.4 x 3mm @140X
Frame rate	30fps
Power source	USB
Size	69(W) x 75(H) x 47(D)mm
Weight	100g
OS	Windows XP, Vista, 7, 8

Software	
Live monitor	Realtime
Capture	Picture image, Movie record
Process	Length measurement(*), Area Calculation(*), Binarization, Insert Comment and Scale, Chromaticity L*a*b* measurement, Macro regist
Adjust (Auto or Manual)	Exposure time, Gain, White balance
Language	Japanese, English, Others can be added.

(*) Available after calibration

Software **ScopeVIEWER**

【Microscope function】



【Color measurement function】



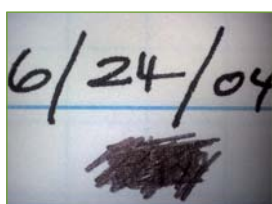
- ① Menu ② Font setting ③ Capture list ④ Comment
 ⑤ Capture image ⑥ Live monitor ⑦ Controller (Measurement, Save setting)
 ⑧ Line profile ⑨ Chromaticity level chart ⑩ L*a*b* chromaticity coordinates

Capture image ex.

Circuit board 40X



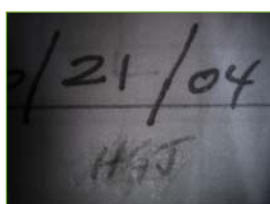
Ink reflection: White LED



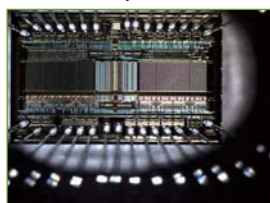
Connector 40X



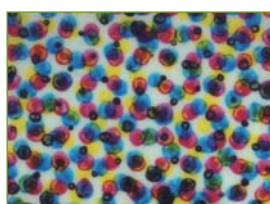
Ink reflection: IR LED



Memory IC 140X



CMYK reflection: White LED



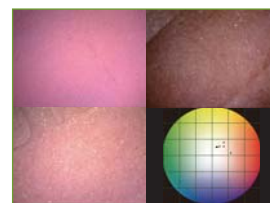
Fluorescent paint 40X



CMYK reflection: IR LED



Cosmetics color



Print color

