

SCALAR

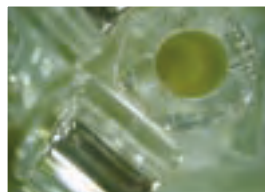
Digital/Analog Microscope

SDA-1



Works with PC and TV

Continuous magnification from 0x to 300x without changing a lens!



※ A stand is necessary, but not included in SDA-1 set. Stands available through Scalar or other suppliers.

Magnified Images Right on Your PC or TV

Applications include quality control inspection, lab work and educational research.

Measurements can be made with our optional software-MicroMeasure

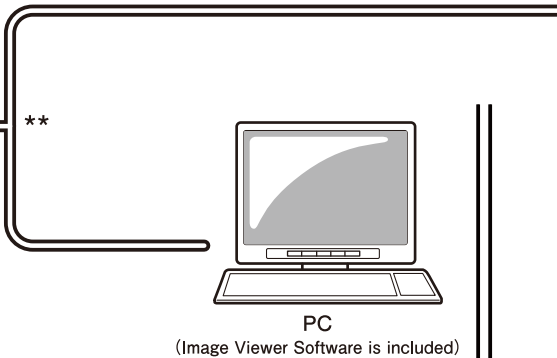
System Configuration



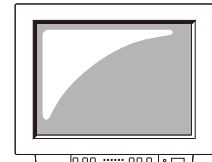
SDA-1



Optional Stand*



PC
(Image Viewer Software is included)



TV Monitor



Optional Measurement Software
MicroMeasure

* A stand is necessary, but not included in SDA-1 set. Stands available through Scalar or other suppliers.

** Simultaneous output for TV and PC is not supported.

Specification

Imager	1/4 inch CCD 410,000pixels Effective pixels approx. 380,000 pixels	Operating and Storage HumidityInterface	20~80% (no-condensation)
Interface	Video Out Terminal:NTSC, RCA Connector USB Terminal:USB mini B (8bitVideoA-D,Maximum Resolution 720 x 480)	Dimensions	85 x 80 x 205mm
Magnification	1x~300x	Weight	Approx. 600g
Light Source	LED	Compliant Standards	VCCI, FCC
Image Settings	Auto. When the light is on: Fixed White Balance, AGC, Auto Shutter Speed. When the light is off: Auto White Balance, AGC, Auto Shutter Speed .	Application	Scalar SDA (CD included)
Power Supply Voltage	DC12V (AC Adaptor AC100~240 50/60Hz)	Camera Thread Input	1/4-20 UNC
Power Consumption	500mA	Optional Accessories	XY Stand XYZ Stand MicroMeasure (Measurement Software)
Operating Temperature	0~40	System Requirements	Windows XP SP2 or later. USB Port: Factory installed USB 2.0 CPU: Pentium 4 - 1GHz or above or equivalent AMD processor. Not UVC Compliant.

Magnification	Operating Distance(mm)	Focal Depth(um)	Field of View(mm)
50	55	2000	5.2 x 4
100	37	550	2.6 x 2
150	32	440	1.73 x 1.33
200	28	250	1.3 x 1
250	27	200	1.04 x 0.8
300	26	160	0.8 x 0.67



Scalar Corporation
1F. San-Ei Building 1-22-2, Nishi-Shinjuku,
Shinjuku-Ku, Tokyo 160-0023 Japan
Tel 81-3-3348-0181 Fax 81-3-3348-0188
sales@scalar.co.jp www.scalar.co.jp

- Product information in this catalog is as of October 2009.
- Product appearance and specifications are subject to change.
- Since this is a printed catalog, the color of products shown may differ slightly from those of actual products.