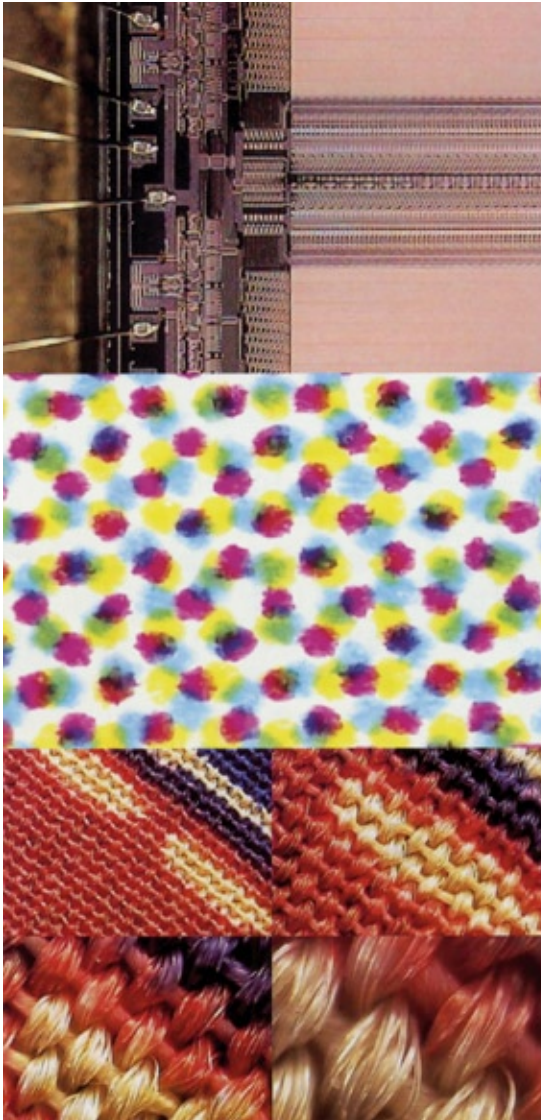


Video Loupe VL-11S/SL

The new age
of microscopy

You can magnify what you want to see as is!
Clear image thanks to
its high magnifying power
A microscope
that can be connected to a TV monitor



From top, enlarged images of IC, halftone dots and fibers



VL-11S/SL

1. High magnifying power

Magnification of 400 times the actual size (on a 14-inch display) in one stretch without changing lenses is possible.

(On a 32-inch monitor, the magnification can reach approx. 900 times)

2. High resolution

460 or higher horizontal resolution by using a 1/3-inch, 410,000-pixel CCD camera

3. High clarity

The built-in ring fluorescent lamp lights up an object evenly. The electronic shutter varies automatically between 1/60 and 1/10000. A bright, clear image is projected.

Comes with a negative/positive selector switch

Enlargement from a 35-mm negative film is possible.

Front



Back



Stand



This optional stand is used for an object that does not fit the original stand of the VL-11S/SL, or an object that could not be held manually, for instance. The stage of the stand can be moved with a dial to either the X or Y direction, thereby facilitating movement of the imaging range.

Main specifications

Image element — 1/3-inch, 410,000-pixel CCD camera	Light source — 5 W ring fluorescent lamp
Image output — NTSC system; video output: RCA jack/S jack	Power source — AC100 V 50/60 Hz
Resolution — 460 or higher horizontal resolution	Environmental conditions — Temperature: 0~40°C; humidity: 40~80% (Condensation should be avoided)
S/N ratio — 48 dB or higher	Tripod mounting screw — 1/4~20 UNC
Exposure control — Electronic shutter; automatically variable between 1/60 and 1/10000, 1/100 flicker-free	Outside dimensions — 85 × 80 × 205 mm (when the stage is stored)
White balance — Lighting: fixed when ON; automatic when OFF	Weight — Approx. 600 g
Magnification — 1~400× infinitely variable (on a 14-inch monitor) (1~200× in the case of SL)	Scan mode — 2:1 interlaced, 525 rows, 60 fields

Operating Distance

Magnification	VL-11S	VL-11SL
50	16mm	41mm
100	9mm	28mm
200	5mm	22mm
300	3mm	—
400	2mm	—

Focal Depth

Magnification	VL-11S	VL-11SL
50	1140microns	1600microns
100	350microns	440microns
200	150microns	200microns
300	80microns	—
400	50microns	—

Field of View

Magnification	VL-11S	VL-11SL
50	5.2 × 4.0mm	
100	2.6 × 2.0mm	
200	1.3 × 1.0mm	
300	0.87×0.67mm	—
400	0.65×0.5mm	—

The specifications, standards and others may change without prior notice for quality improvement.

Developed and manufactured by
Scalar Corporation

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