

# GX Wolf Microscopes

VL-11S/SL portable  
video microscope  
series  
for non-contact

product datasheet



Working Distance (mm)

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

Focal Depth

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

Field of View

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

#### Features:

Continuous magnification on the S series is possible from actual size up to x400 (on a 14-inch monitor screen) without having to switch lenses. (Approximately x900 on a 32-inch monitor.) The VL-11SL magnifies up to x200 on a 14-inch monitor.

Compact size (85mmx80mmx205mm) and light weight (approx. 600g) enables free use and portability.

Simple controls with magnification and focus dials only. 410,000-pixel color CCD camera enables resolution exceeding 460-line horizontal resolution TV's.

Compact ring light gives uniform illumination.

Enables enlargement of any objects, including integrated circuits, fibers, printed material, paint surfaces, or blades.

Bright and vivid images can be displayed at all magnifications.

Personal type TV microscope.

#### Specifications

- Pixels: 1/3-inch color CCD camera x410,000 pixels
- Illumination: 5W ring fluorescent lamp
- Power supply: 100V AC, 50/60Hz
- Image output: NTSC system, video output: RCA/S jacks
- Resolution: Over 460 line horizontal resolution
- Operating conditions: Temperature: 0 - 40°C, Humidity: 40 - 80% (with no condensation)
- S/N ratio: 48dB min.
- Exposure control: Electronic shutter, auto-variable 1/60 - 1/10000, 1/100 flicker-free
- External dimensions: 85mm x 80mm x 205mm (with stage stowed)
- Weight: Approx. 600g
- Scanning system: 2:1 interlaced, 525 rows, 60 fields
- Tripod mounting screw: 1/4-20 UNC
- White balance: Checking: Fixed when ON; auto when OFF
- Magnification: x1 - x400 infinitely variable type (on 14-inch monitor) (x1 - x200 for SL)

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