

Short-wave infrared area scan camera (IC)

LS-MV-IC series · Infrared cameras · 4 models

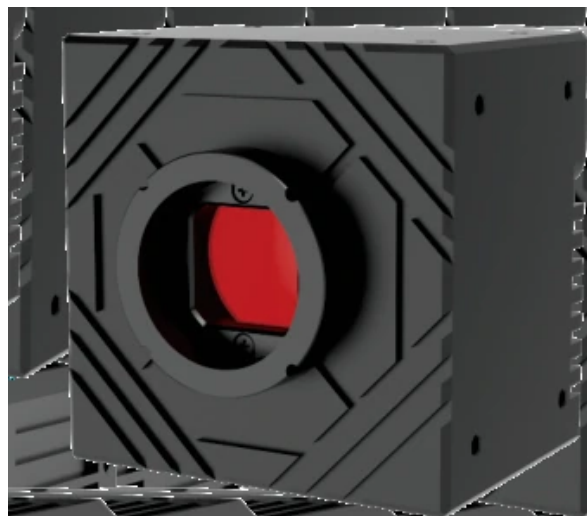
LS-MV-IC130-GE is a scientific level, large target area and high-resolution InGaAs short wave imaging and microscopic imaging camera. It is suitable for fluorescence imaging and laser spot infrared imaging, specifically designed for low illumination scientific research, short wave infrared tracking imaging, semiconductor detection, solar cell detection, hyperspectral imaging, etc.

Features

- InGaAs detector, response wavelength 0.4-1.7 μm
- Black level correction, good image uniformity
- Gigabit network interface, compatible with vision standard
- Designed for short wave infrared imaging and microscopic imaging for low illumination scientific research
- Drive free, directly supports Halcon, VisionPro and other software, easy for system integration and development

Applications

- Fluorescence imaging
- Laser spot infrared imaging
- Low illumination scientific research
- Short wave infrared tracking imaging
- Semiconductor detection
- Solar cell detection
- Hyperspectral imaging



Common specifications

Camera type	Mono
Shutter type	Global shutter
Frame buffer	256MB
User-defined data area	2KB
Acquisition mode	Continuous/soft trigger/hard trigger
Vision standards protocol	GigE Vision V1.2, GenICam
Data interface	RJ45 Gigabit Network
GPIO	1x trigger input, 1x flash output; 1x GPI input, 1x GPO output, 1x non-isolated bidirectional IO
Power	<12W (including refrigeration)
Lens mount	C-Mount
Maximum gain (multiple)	126
Cooling	Semiconductor refrigeration, coolable ambient temperature difference 20°C
Operating temperature	0~40°C
Working humidity	20~80% (no condensation)
Storage temperature	30~60°C

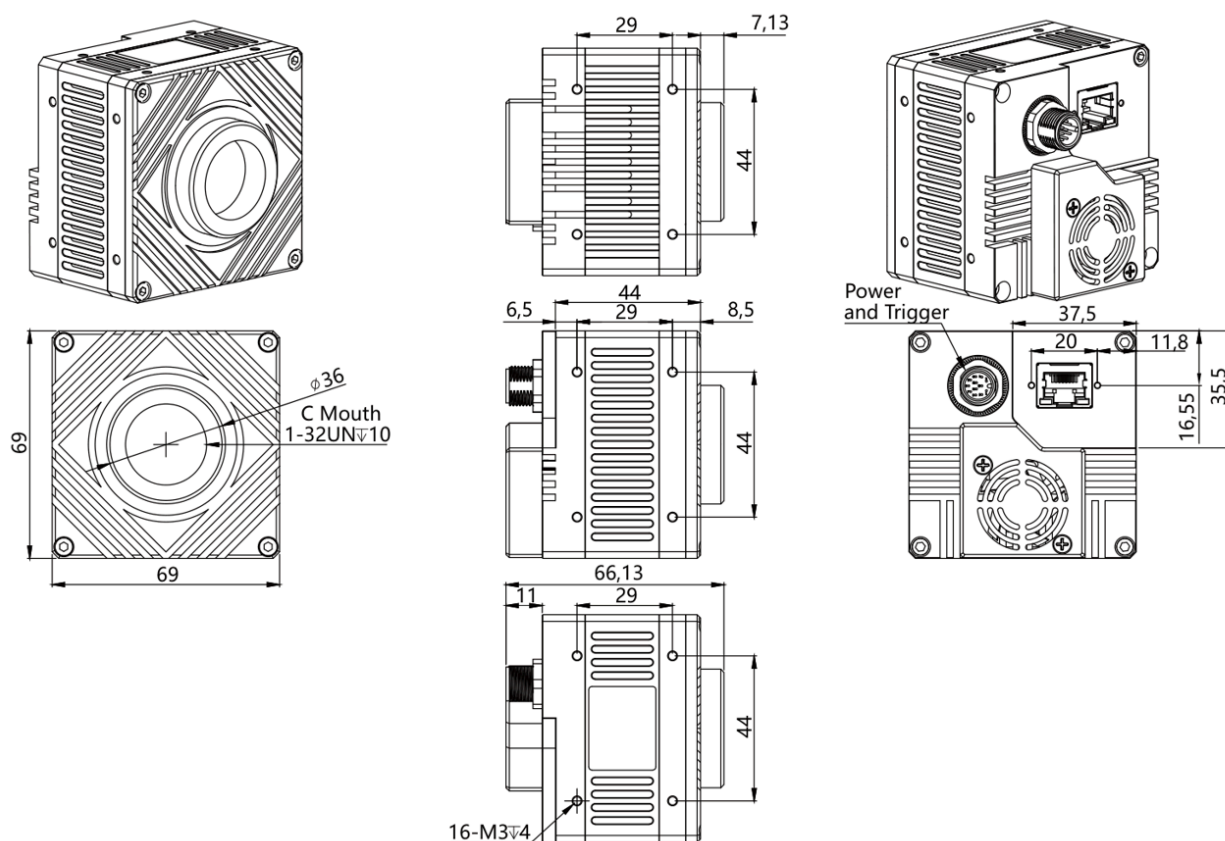
Storage humidity	20~95% (no condensation)
Operating system	WINXP, WIN7/8/10 32&64 bit systems, Linux and ARM Linux drivers, Android platform drivers, MAC OS systems
Driver	Directshow component, Halcon dedicated component, Labview dedicated driver, OCX component, TWAIN component
Programming language pack	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
Other functions	Support any size ROI custom resolution, contrast and gamma adjustment, saturation adjustment, white balance correction, black level correction, custom dead point coordinate correction, ISP image processing acceleration, 3D noise reduction, custom LUT table, frame rate adjustment, custom camera name, etc.

Models

Model	Sensor type	Pixel size	Effective pixels	Maximum resolution	Frame rate	Pixel bit depth	Sensitivity
LS-MV-IC130-GE	1/2" CMOS	5.0μm x 5.0μm	1.3MP	1280 x 1024	72FPS	12bit	30mv 1/30s
LS-MV-IC30-GE	1/4" CMOS	5.0μm x 5.0μm	0.3MP	640 x 512	241FPS	10bit	121mv 1/30s
LS-MV-IC311-GE	9.6 x 7.68mm CMOS	15μm x 15μm	0.3MP	640 x 512	350FPS	10bit	121mv 1/30s
LS-MV-IC500-GE	1/1.4" InGaAs	3.45μm x 3.45μm	5MP	2592 x 2056	24FPS	8bit	<-86dB

More values per model (Exposure time range (ms), Video output format, Power supply, Dimensions, Weight, Mono / colour, Voltage) are on each product page.

Dimensions



Unit: mm

Performance

