

GigE area scan camera, F series with large format size

LS-MV-F series · Area scan cameras · 4 models

This series of cameras is compatible with the GigE Vision and GenICam standards, with colour and monochrome CMOS and CCD sensors with global or rolling shutter, from 0.3MP to 65MP. It is fully compatible with LabVIEW, Halcon, VisionPro and other mainstream vision software.



Features

- Unique packet retransmission technology to ensure reliable data transmission
- Built-in hardware accelerates image processing and reduces CPU utilization on the host side
- Supports simultaneous operation of multiple cameras, unlimited number, and arbitrary networking
- Pixels from 0.3MP to 65MP, CCD and CMOS are optional
- Excellent SDK design, as simple as using a USB camera, plug and play
- Supports external trigger and flash synchronization, up to seven channels of GPIO, all photoelectric isolation
- Compatible with the vision standard, driver free and directly supports Halcon, VisionPro and other software
- Gigabit network interface, 100 m long-distance stable transmission, supporting PoE power supply (optional)

Applications

- Electronic semiconductors
- Factory automation
- Food and beverage
- Pharmaceutical packaging
- Image measurement

Common specifications

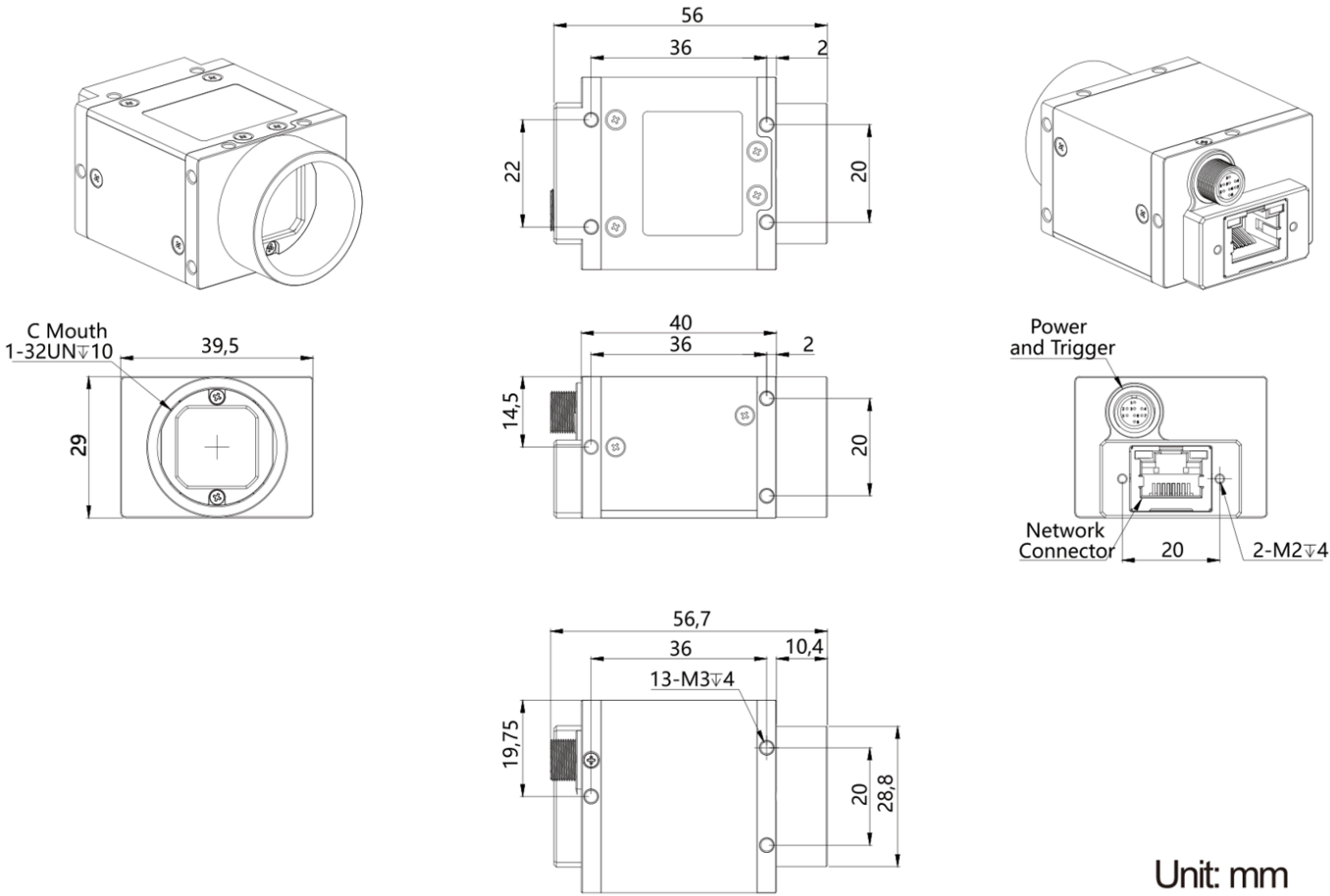
Interface	GigE (RJ45 Gigabit Ethernet)
Acquisition mode	Continuous/soft trigger/hard trigger
User-defined data area	2K Bytes
Vision standard	GigE Vision V1.2, GenIcam
Data interface	RJ45 Gigabit Ethernet interface, backward compatible with 100M network standard
Operating system	WIINXP, WIN7/8/10 32@64 bit system, Linux and ARM Linux driver, Android platform driver, MAC OS system
Driver	Directshow component, Halcon special component, Labview special driver, OCX component, TWAIN component
Programming language pack	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
Working temperature @humidity	0~50°C @ 20%~80% (no condensation)
Storage temperature @humidity	30~60°C @ 20%~95% (no condensation)
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.
Frame buffer	128M Bytes
GPIO	1 optical isolation input, 1 optical isolation output; optional 3 inputs and 4 outputs
Lens mount	C-Mount (CS port optional)
Power supply	12~24V/POE, 48~57 (POE is optional)
Power	<2.5W
Dimensions	29 x 29 x 40 mm (without lens mount and rear shell interface)
Weight	<75g
Suffix options	GE/F/D/C camera suffix selection (columns as printed: aviation-connector pin definition no., POE power supply, dual aviation-connector extended IO, shrapnel-type / threaded-type aviation connector, C-mount / CS-mount lens interface, state): -T-CL def.1 threaded, C-mount, Recommend; -T-L def.1 threaded, CS-mount, Book; -TPO-CL def.2 POE, dual extended IO, threaded, C-mount, Book; -TI-C def.3 shrapnel, C-mount, Recommend; -TIP-C def.3 POE, shrapnel, C-mount, Book; -T def.4 shrapnel, CS-mount, Planned shutdown; -TPO def.5 POE, dual extended IO, shrapnel, CS-mount, Planned shutdown; -TPO-C def.5 POE, dual extended IO, shrapnel, C-mount, Planned shutdown. ('Book' as printed, presumably made to order.)

Models

Model	Effective pixels	Max resolution	Pixel size	Frame rate (FPS)	Target size	Min exposure	Sensor model
LS-MV-F401C-GE/M	4MP	2040 x 2048	5.5µm	29	1"	0.016ms	OEM
LS-MV-F890C-GE/M	8.9MP	4096 x 2160	3.45µm	13.5	1"	0.034ms	IMX267
LS-MV-F1200C-GE/M	12MP	4090 x 3000	3.45µm	9.5	1.1"	0.034ms	IMX304
LS-MV-F1205C-GE/M	12MP	4096 x 3072	3.2µm	9.5	1"	0.031ms	XGS12000

More values per model (Sensor type, Shutter method, Color, Resolution@frame rate, Pixel size (technical table), Pixel bit depth, Sensitivity, Maximum gain (multiple), Exposure time range (ms), Video output format, Mono / colour, Voltage) are on each product page.

Dimensions



Unit: mm

