

GigE line scan camera (MV-L / MV-LM ...-GE)

LS-MV-L-GE series · Line scan cameras · 5 models

Industrial line scan cameras for large-format inspection and high-speed assembly line inspection, using domestic chips, GigE interface and 4K high resolution with up to 28KHz line frequency, integrating a variety of ISP image algorithms and supporting external trigger. LS-MV-L041M-GE and MV-L044C/M-GE are economical products with high performance and low cost.



Features

- Line rate up to 48K, freely set in software; color line scan camera supports RGB three-line true color output
- Supports sensor hardware 2-line SUM, multiplying brightness and reducing light source requirements
- Multiple trigger modes such as encoder synchronous triggering and photoelectric sensor + encoder combined synchronous triggering
- Supports frequency division and frequency doubling of the encoder signal to match the motion platform accurately
- Hardware ISP supports gamma, contrast, lens shading correction and more
- Gigabit Ethernet port, maximum transmission distance 100 meters

Applications

- Logistics
- Metallurgy
- Food
- Pharmaceutical
- Material sorting

Common specifications

Programming language pack	C/C++/C#/VB6/VB.NET/Delphi/BCB/Python/Java
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
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.
Data interface	10G copper cable 10GBase-T, compatible with 100M/1G/2.5G/5G (as printed in the GigE line scan general table)
Vision standard	GigE Vision V1.2, GenICam
Filter	Mono cameras: double-sided AR antireflection film as standard; color cameras: 650nm infrared cut-off filter as standard

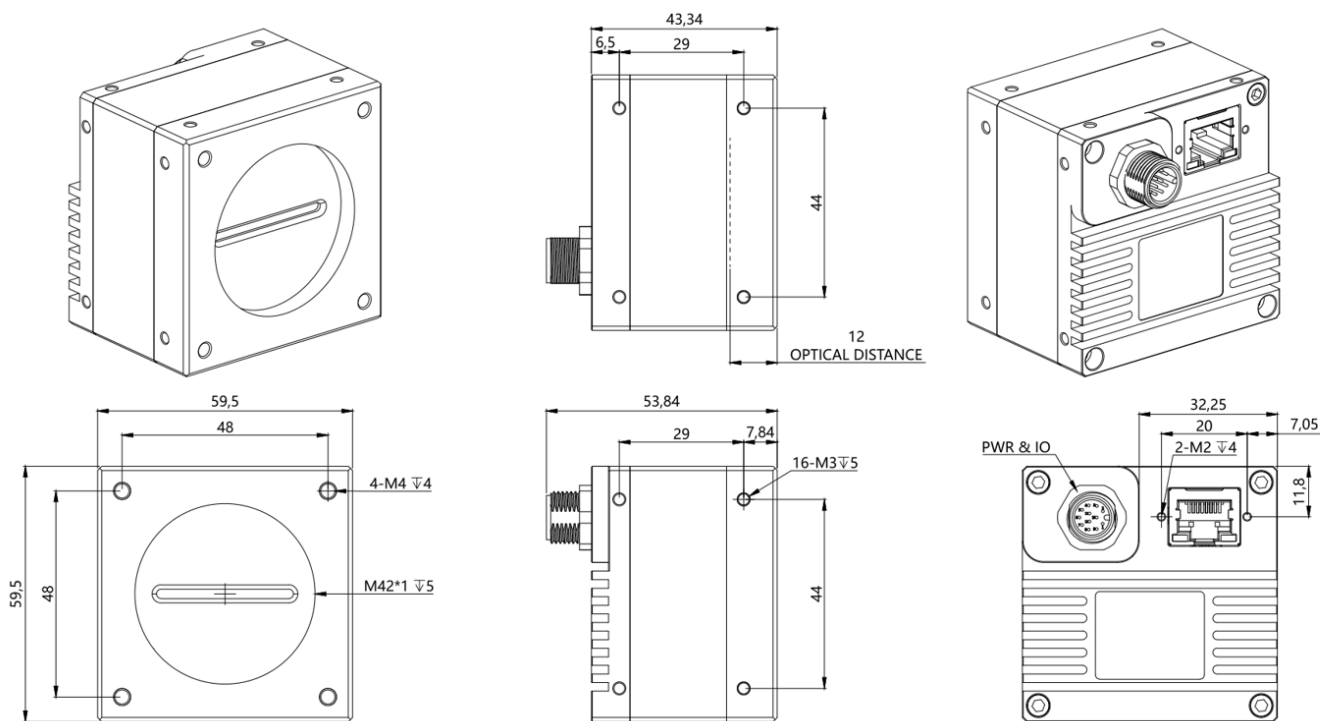
Working temperature @humidity	0~50°C @ 20%~80% (no condensation)
Storage temperature @humidity	30~60°C @ 20%~95% (no condensation)

Models

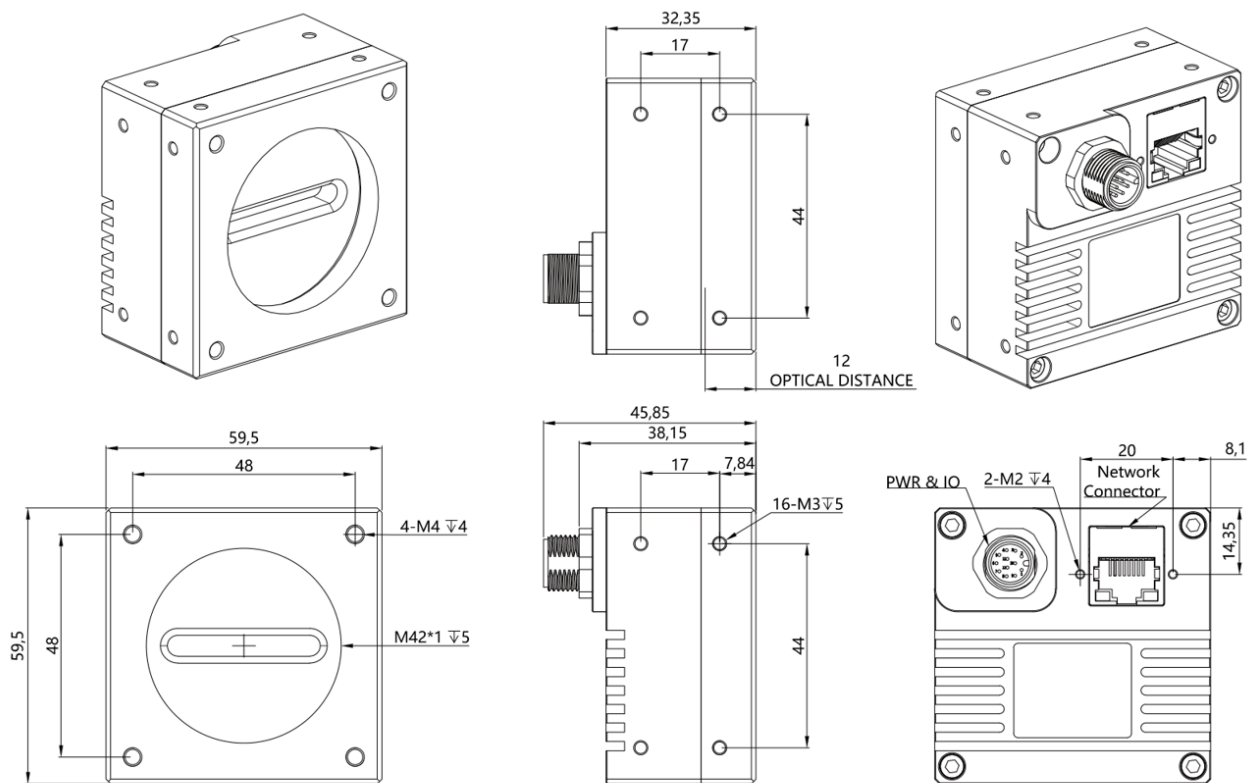
Model	Effective pixel	Line frequency	Target size	TDI	Minimum exposure	Color	Resolution
LS-MV-L041M-GE	4096×2	27.5k	28.6mm	/	0.003ms	Mono	4096×2
LS-MV-L083BC-GE	8192X4	30k	57.344mm	4	0.004ms	Mono	8192X4
LS-MV-LM041M-GE	4096×2	27.5k	28.6mm	/	0.003ms	Mono	4096×2
LS-MV-LM044C-GE	4096×6	27.5K	28.6mm	/	0.003ms	Color	Color: 4096×6
LS-MV-LM044M-GE	4096×8	27.5k	28.6mm	4	0.003ms	Mono	Mono: 4096×8

More values per model (Sensor type, Shutter mode, Pixel size, Frame rate, Pixel bit depth, Acquisition mode, Maximum gain (multiple), Exposure time range (ms), Frame buffer, User-defined data area, Video output format, Sensor size...) are on each product page.

Dimensions



Unit: mm



Unit: mm