

# Miniature industrial camera

LS-MV-TF series · M12 board lenses · 1 model



Miniature industrial camera supporting M12 lenses with an overall section size of 20 x 18 mm, colour or black-and-white, Gigabit network interface.

## Features

- M12 lens supported, overall section size 20x18mm
- Colour/black and white options, lens replaceable, unlimited field of view
- Gigabit network interface, 100m long-distance stable transmission
- Supports simultaneous operation of multiple cameras, unlimited number, and arbitrary networking
- Built-in hardware accelerates image processing and reduces CPU utilization at the host end
- Compatible with the vision standard, drive free, directly supports Halcon, VisionPro and other software

## Common specifications

|                                  |                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Acquisition mode                 | Continuous/soft trigger/hard trigger                                                                      |
| Frame cache                      | 128MB                                                                                                     |
| User defined data area           | 2KB                                                                                                       |
| GPIO                             | 1 way flash output                                                                                        |
| Lens mount                       | M12                                                                                                       |
| Visual standards protocol        | GigE Vision V1.2, GenICam                                                                                 |
| Data interface                   | RJ45 Gigabit Ethernet interface, downward compatible with 100M network                                    |
| Operating temperature @ humidity | 0~50°C @ 20%~80% (no condensation)                                                                        |
| Storage temperature @ humidity   | 30~60°C @ 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 special component, LabVIEW special driver, OCX component, Twain component    |

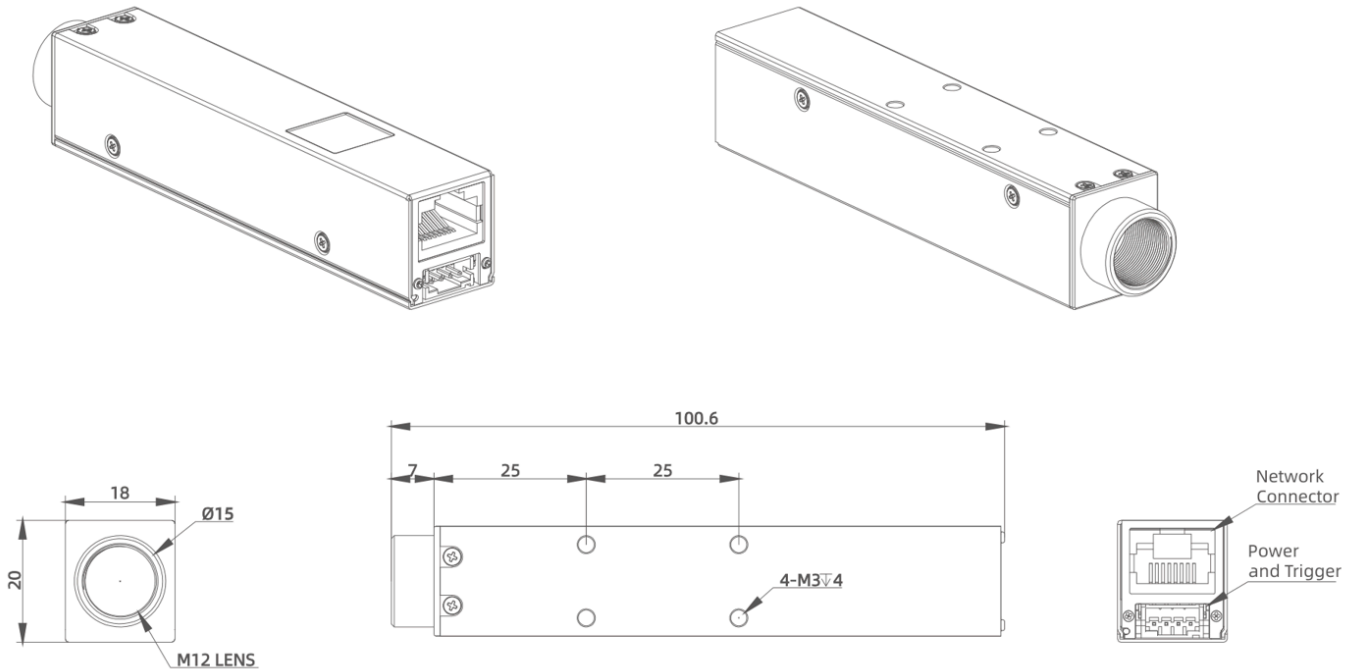
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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                              | Resolution @ frame rate | Pixel size | Pixel bit depth | Sensor      | Video output format | Maximum gain (multiple) | Exposure time range (ms) |
|------------------------------------|-------------------------|------------|-----------------|-------------|---------------------|-------------------------|--------------------------|
| LS-MV-TF133GC/M<br>colours: GC, GM | 1280 x 1024@91FPS       | 4µm BSI    | 8bit            | 1/2.7" CMOS | raw8                | 32                      | 0.019~79                 |

More values per model (Sensitivity, Power supply, Power, Overall dimension, Weight, Mono / colour, Voltage) are on each product page.

Dimensions



Unit: mm

