

# SS5000 Series

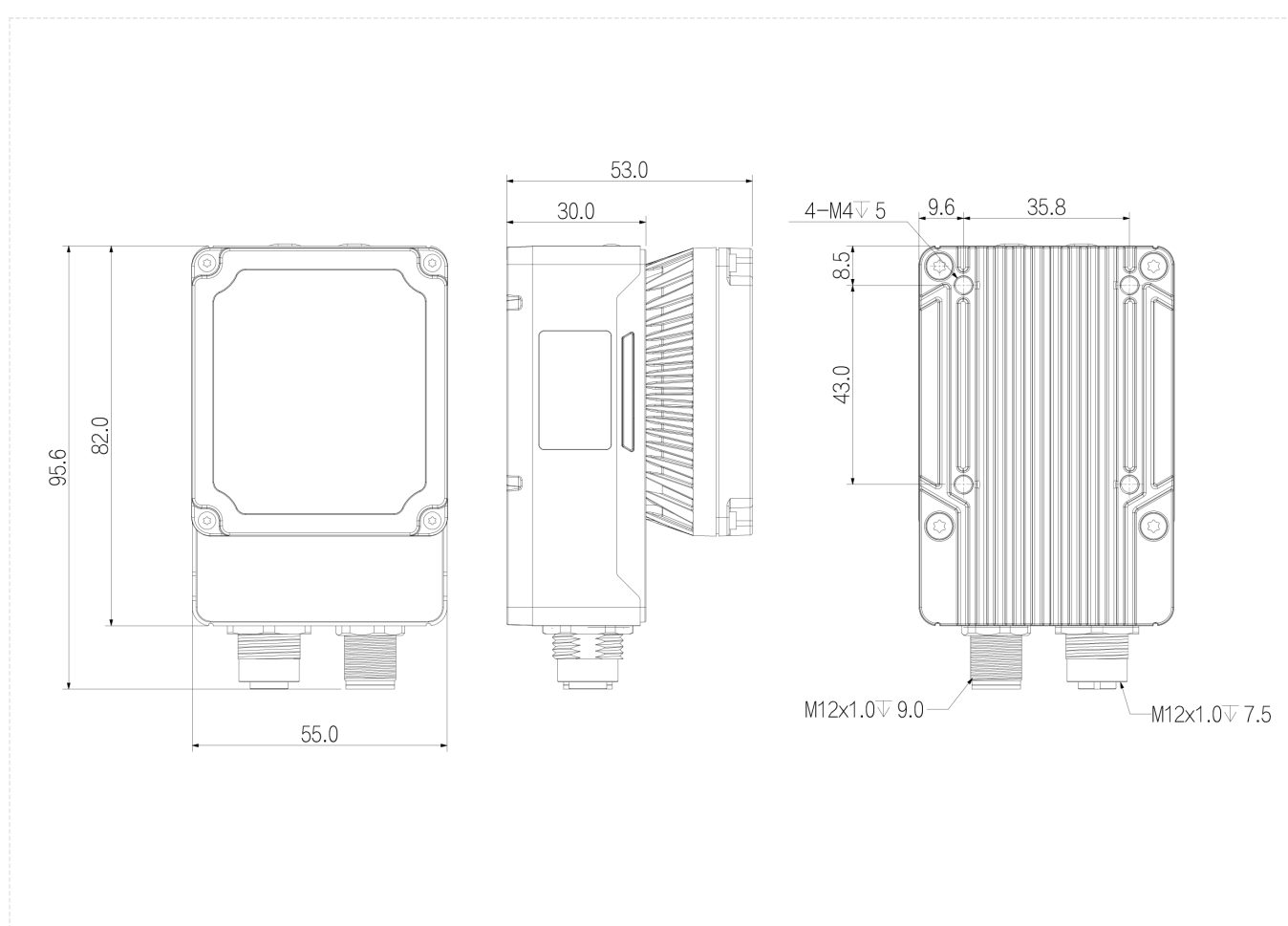
## SS5016MG-25M-WGG01E



### Features

- Built-in ultra-high-performance AI processing chip, taking into account ease of use and flexibility while further improving processing efficiency;
- Integrated design, full range of built-in motorized lenses, one-click focusing is easy and convenient;
- Integrated high-power light source module, supports red/white/blue/infrared options, adapting to various near/medium/far detection scenarios;
- Cross-platform Web access, guided configuration process, easy and convenient for users;
- GigE interface, providing 1Gbps bandwidth;
- Rich IO interfaces, Ethernet, RS236, GPIO interfaces, supporting multiple communication protocols;
- Built-in rich algorithm tools, can achieve object positioning, feature recognition, defect inspection and classification based on deep learning, and more;

### Dimensions (mm)



Specification

|             |                       |                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model       |                       | SS5016MG-25M-WGG01E                                                                                                                                                                                                                                                                                                                               |
| Basic       | Resolution            | 1440×1080                                                                                                                                                                                                                                                                                                                                         |
|             | Max. Frame rate       | 60fps                                                                                                                                                                                                                                                                                                                                             |
|             | Shutter Mode          | Global                                                                                                                                                                                                                                                                                                                                            |
|             | Mono/Color            | Mono                                                                                                                                                                                                                                                                                                                                              |
|             | Lens Mount            | M12, auto focus                                                                                                                                                                                                                                                                                                                                   |
|             | Trigger Mode          | Internal Trigger/External Trigger/Ethernet/Serial/Industrial Ethernet.                                                                                                                                                                                                                                                                            |
|             | Software              | EasyVS, Web                                                                                                                                                                                                                                                                                                                                       |
|             | Certifications        | CE, UKCA, KC                                                                                                                                                                                                                                                                                                                                      |
|             | Function              | Location Tools: PatternMatch AI Tools: AI classification Exist Tools: FindLine; FindCircle; BlobExist Count Tools: BlobCount Measure Tools: Grayscale area; Contrast; Brightness; EdgeWidthTool Detection Tools: ContourCompare Recognition Tools: DataCode; BarCode; OCR Logic Tools: LogicCheck; ConditionCheck; Mathematical; StringComparison |
|             | Focal Length          | 25mm                                                                                                                                                                                                                                                                                                                                              |
|             | Light Source Type     | White, 2-channel polarized and 2-channel transparent light                                                                                                                                                                                                                                                                                        |
|             | Focus Control         | Auto focus                                                                                                                                                                                                                                                                                                                                        |
| Performance | Working Distance      | 250-1500mm                                                                                                                                                                                                                                                                                                                                        |
|             | Field of View (FOV)   | 46×34 mm @250mm                                                                                                                                                                                                                                                                                                                                   |
| Port        | Connector             | 2 industrial M12 connectors, Ethernet and GPIO                                                                                                                                                                                                                                                                                                    |
|             | Network Port          | 1000M Ethernet                                                                                                                                                                                                                                                                                                                                    |
|             | GPIO Interface        | RS232, 2 Opto-isolated inputs, 3 Opto-isolated outputs                                                                                                                                                                                                                                                                                            |
|             | Communication Mode    | RS232, Ethernet                                                                                                                                                                                                                                                                                                                                   |
|             | LED Indicator         | Power, Ethernet, Status, Result                                                                                                                                                                                                                                                                                                                   |
| Power       | Power Supply          | Support 9~26VDC, 2A input                                                                                                                                                                                                                                                                                                                         |
|             | Power Consumption     | <18W                                                                                                                                                                                                                                                                                                                                              |
| Structure   | Product Dimensions    | 82mm×55mm×53mm (excluding connectors)                                                                                                                                                                                                                                                                                                             |
|             | Net Weight            | <350 g                                                                                                                                                                                                                                                                                                                                            |
|             | Protection            | IP65                                                                                                                                                                                                                                                                                                                                              |
|             | Casing Material       | Aluminum alloy (excluding front cover)                                                                                                                                                                                                                                                                                                            |
| Environment | Operating Temperature | -20℃ ~ +50℃                                                                                                                                                                                                                                                                                                                                       |
|             | Operating Humidity    | 20% ~ 95%, non-condensing                                                                                                                                                                                                                                                                                                                         |
|             | Storage Temperature   | -30℃ ~ +70℃                                                                                                                                                                                                                                                                                                                                       |