

### DM-W160S-MxxGF-SRPZ\*\*

- 1.6MP @Max. reading speed 45 codes/sec
- Red Polarization, orange LED aiming
- Solid-state high speed focus adjustment
- Adopts Solid-state focus adjustment and can be triggered via the side button
- IP65 protection

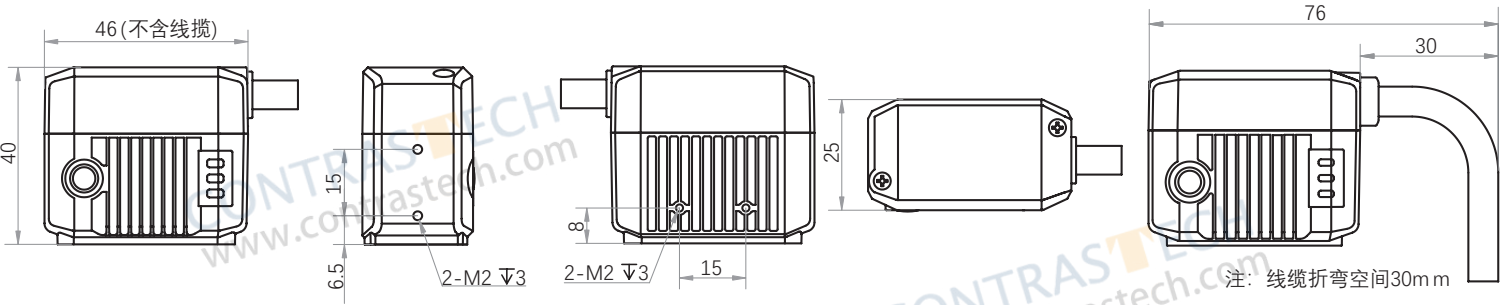
**Applied range** • 3C • Lithium • Tobacco • Pharmaceutical • Photovoltaic • automobile, etc.

|                        |                                                                                                                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symbologies            | <ul style="list-style-type: none"> <li>• 1-dimensional codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN, UPCA, UPCE</li> <li>• 2-dimensional codes: QR Code, Data Matrix</li> </ul> |
| Communication protocol | SmartSDK, TCP Client, Serial, FTP, TCP Server, Melsec/SLMP, Modbus, FINS, UDP                                                                                                                      |

| Model                 | DM-W160S-M06GF-SRPZ                                                                                                                                                                                                        | DM-W160S-M10GF-SRPZ |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Resolution            | 1408 × 1024                                                                                                                                                                                                                |                     |
| Max. frame rate[fps]  | 60                                                                                                                                                                                                                         |                     |
| Max. reading speed    | 45 codes/sec                                                                                                                                                                                                               |                     |
| Sensor type           | CMOS, Global Shutter                                                                                                                                                                                                       |                     |
| Pixel size [μm]       | 3.45 × 3.45                                                                                                                                                                                                                |                     |
| Sensor size           | 1/2.9"                                                                                                                                                                                                                     |                     |
| Exposure time         | 16μs~2.5s                                                                                                                                                                                                                  |                     |
| Gain                  | 0 ~ 40 dB                                                                                                                                                                                                                  |                     |
| Mono/color            | Mono                                                                                                                                                                                                                       |                     |
| Data interface        | Fast Ethernet (100Mbit/s)                                                                                                                                                                                                  |                     |
| Focal length**        | 6mm                                                                                                                                                                                                                        | 10mm                |
| Lens mount            | M12-Mount                                                                                                                                                                                                                  |                     |
| Working distance      | 70 ~ 160 mm                                                                                                                                                                                                                | 95 ~ 400 mm         |
| Ambient illumination  | 0 ~ 50000 lux                                                                                                                                                                                                              |                     |
| Light source*         | Red Polarization                                                                                                                                                                                                           |                     |
| Aiming system         | Orange LED                                                                                                                                                                                                                 |                     |
| Digital I/O           | Device trigger via pressing button on side supported.<br>17-pin M12 connector provides power and I/O:<br>none-isolated input × 1, none-isolated output × 1, configurable bi-directional none-isolated I/O × 2, RS-232 × 1. |                     |
| Power Input           | 12 ~ 24V                                                                                                                                                                                                                   |                     |
| Power Consumption     | 12V @11W                                                                                                                                                                                                                   |                     |
| Housing Size          | 46 mm × 40 mm × 25 mm (135g)                                                                                                                                                                                               |                     |
| Operating Temperature | -30~70 ° C (Storage), 0~50° C ( Working )                                                                                                                                                                                  |                     |
| Driver                | DM-Datum                                                                                                                                                                                                                   |                     |

\*\*: xx is available in different focal lengths in the model.

Dimensions:



Detection Range

| Lens Focal Length<br>(mm) | Working Distance<br>(mm) | FoV (mm) |        | 1D Single<br>Pixel Accuracy | 2D Single<br>Pixel Accuracy |
|---------------------------|--------------------------|----------|--------|-----------------------------|-----------------------------|
|                           |                          | H        | V      |                             |                             |
| 6                         | 100                      | 80.96    | 58.88  | 0.06                        | 0.17                        |
|                           | 150                      | 121.44   | 88.32  | 0.09                        | 0.26                        |
|                           | 200                      | 161.92   | 117.76 | 0.12                        | 0.35                        |
|                           | 250                      | 202.40   | 147.20 | 0.14                        | 0.43                        |
|                           | 300                      | 242.88   | 176.64 | 0.17                        | 0.52                        |
|                           | 350                      | 283.36   | 206.08 | 0.20                        | 0.60                        |
|                           | 400                      | 323.84   | 235.52 | 0.23                        | 0.69                        |
| 10                        | 100                      | 48.58    | 35.33  | 0.03                        | 0.10                        |
|                           | 150                      | 72.86    | 52.99  | 0.05                        | 0.16                        |
|                           | 200                      | 97.15    | 70.66  | 0.07                        | 0.21                        |
|                           | 250                      | 121.44   | 88.32  | 0.09                        | 0.26                        |
|                           | 300                      | 145.73   | 105.98 | 0.10                        | 0.31                        |
|                           | 350                      | 170.02   | 123.65 | 0.12                        | 0.36                        |
|                           | 400                      | 194.30   | 141.31 | 0.14                        | 0.41                        |

