ContrasTech

DM-W160S-M06SM-SxST/PZ(U)

- 1.6MP @Max. reading speed 45 codes/sec
- Optional light source color, built-in LED aiming
- Built-in deep learning algorithm
- Adopts focus knob for adjusting focusing manually, supports triggering via side trigger button
- IP65 protection

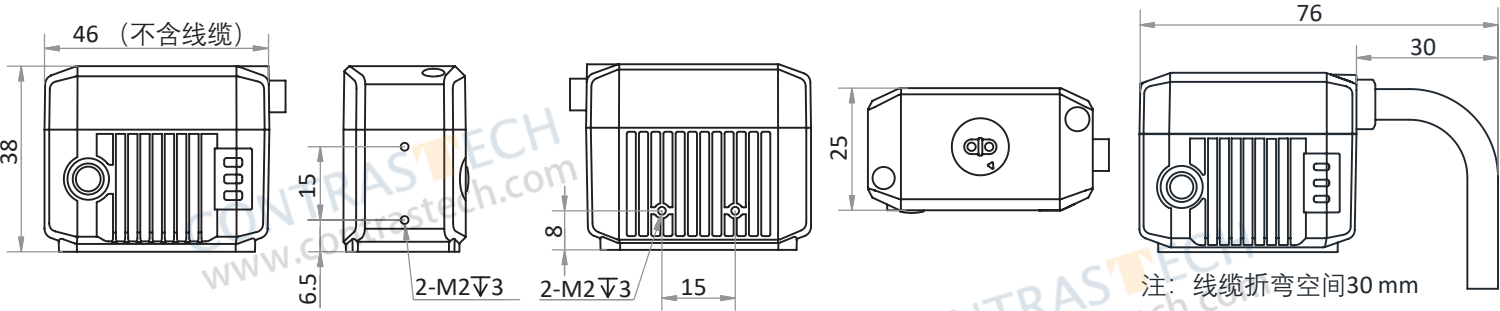**Applied range** • 3C • Lithium • Tobacco • Pharmaceutical • Photovoltaic • automobile, etc.

Symbologies	• 1-dimensional codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN, UPCA, UPCE • 2-dimensional codes: QR Code, Data Matrix
Communication protocol	• Network interface: SmartSDK, TCP Client, Serial, FTP, TCP Server, Melsec/SLMP, Modbus, FINS, UDP • USB interface(-U): SmartSDK, USB

Model	DM-W160S-M06SM-SxST **	DM-W160S-M06SM-SRPZ	DM-W160S-M06SM-SxST-U **
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~1s		
Gain	0 ~ 15 dB		
Mono/color	Mono		
Data interface	Fast Ethernet (100 Mbit/s)		USB2.0
Focal length	6.72 mm		
Lens mount	M10-Mount, adjusting focus manually supported		
Working distance	40 mm to 120 mm		
Ambient illumination	0 ~ 50000 lux		
Light source **	Optional: White / Red / Blue LED, PZ: with polarization,Red LED		Optional: White / Red / Blue LED
Aiming system	Green LED		
Digital I/O	Device trigger via pressing button on side supported.		
	17-pin M12 connector provides power and I/O, configurable bi-directional none-isolated I/O × 4, RS-232 × 1.		17-pin M12 connector provides data transfer
Power Input	12 ~ 24V		5 V (USB2.0 provides power supply)
Power Consumption	24V @10.6W		5V @4.6W
Housing Size	46 mm × 38 mm × 25 mm (160g)		
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)		
Driver	DM-Datum		

**:x is a different color for the light source.

Note: During the operation of this product, looking directly at this product may cause harm to the eyes, and protective measures such as protective glasses should be worn during operation.

Dimensions：

46 （不含线缆）
38
15
6.5
2-M2▽3
8
2-M2▽3
15
25
76
30
注：线缆折弯空间30 mm

Detection Range

Working Distance (mm)	FoV (mm)		1D Single Pixel Accuracy	2D Single Pixel Accuracy
	H	V		
40	28.91	21.03	0.023	0.062
80	57.83	42.06	0.045	0.123
120	86.74	63.09	0.068	0.185

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