

DM-W100S-M05AF-Lx(-U)

- 1MP @Max. reading speed 34 codes/sec
- Built-in laser aiming
- Built-in deep learning algorithm
- Support for triggering via side trigger buttons
- IP65 protection

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

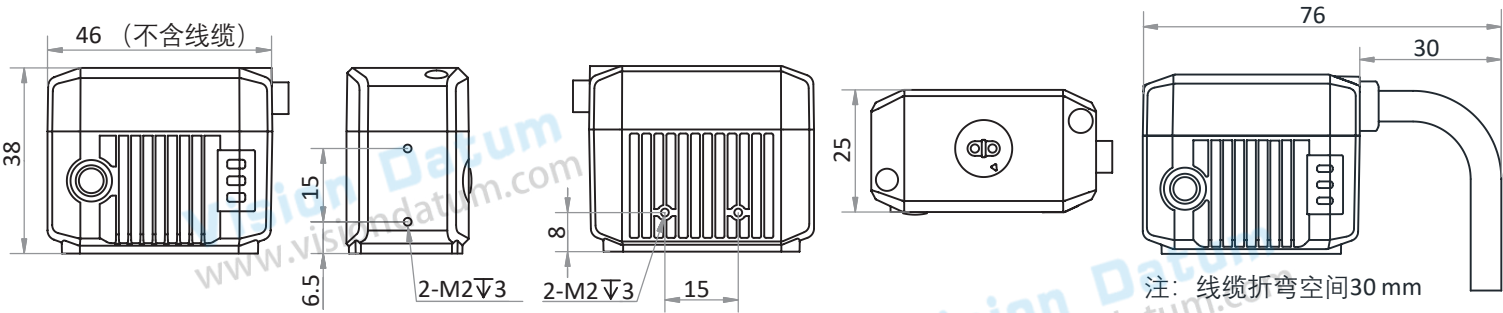
Symbologies	• 1-dimensional codes: Code 39, Code 93, Code 128, ITF25, ITF14, CodaBar • 2-dimensional codes: QR Code, Data Matrix
Communication protocol	• Network interface: SmartSDK, TCP Client, Serial, FTP, TCP Server • USB interface(-U): SmartSDK, USB

Model	DM-W100S-M05AF-Lx **	DM-W100S-M05AF-Lx-U **
Resolution	1280 × 800	
Max. frame rate[fps]	50	
Max. reading speed	34 codes/sec	32 codes/sec
Sensor type	CMOS, Global Shutter	
Pixel size [μm]	3 × 3	
Sensor size	1/4"	
Exposure time	768 ~ 1400μs	
Gain	0 ~ 15 dB	
Mono/color	Mono	
Data interface	Fast Ethernet (100Mbit/s)	USB2.0
Focal length	5 mm	
Lens mount	M10-Mount	
Ambient illumination	0 ~ 50000 lux	
Light source **	Optional: White / Red LED	
Aiming system	Cross laser	
Digital I/O	Device trigger via pressing button on side supported.	
	17-pin M12 connector provides power and I/O, isolated inputs × 2, isolated outputs × 2, RS-232 × 1.	17-pin M12 connector provides power and I/O
Power Input	12 ~ 24V	5 V _I (USB2.0 provides power supply)
Power Consumption	24V @6.24W	5V @4.4W
Housing Size	46 mm × 38 mm × 25 mm (154g)	
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:



DoF

Code 39 (5 mil)	Code 39 (10 mil)	Code 128 (5 mil)	EAN-13	QR Code (20 mil)	Data Matrix (10 mil)
100 mm ~ 210 mm	50 mm ~ 320 mm	100 mm ~ 210 mm	40 mm ~ 380 mm	50 mm ~ 340 mm	40 mm ~ 350 mm

Detection Range

Working Distance (mm)	FoV (mm)		1D Single Pixel Accuracy	2D Single Pixel Accuracy
	H	V		
110	84.48	52.8	0.066	0.198

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