

DM-J300U-MxxAF-SRST

- 3MP @Max. reading speed 90 codes/sec
- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Built-in deep learning algorithm
- Rotatable tail outlet design, flexible adaptation to installation space
- IP67 protection



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

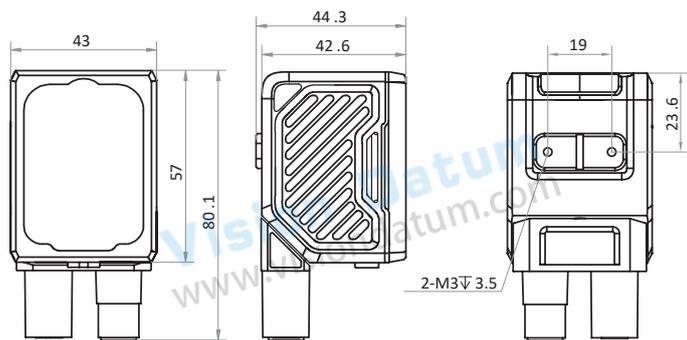
Symbologies	<ul style="list-style-type: none"> • 1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN8, EAN13, ITF25, ITF14, MATRIX25, UPCA, UPCE, MSI, CODE11, INDUSTRIAL25, CHINAPOST, PHARMACODE • 2-dimensional codes: QR Code, Data Matrix, Micro QR • Stacked codes: PDF417
Communication protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, Melsec/SLMP, Modbus, FINS, UDP

Model	DM-J300U-MxxAF-SRST **		
Resolution	2048 × 1536		
Max. frame rate[fps]	60		
Max. reading speed	90 codes/sec		
Sensor type	CMOS, Global Shutter		
Pixel size [μm]	3.45 × 3.45		
Sensor size	1/1.8"		
Exposure time	6μs~30000μs		
Gain	0 ~ 24 dB		
Mono/color	Mono		
Data interface	Fast Ethernet (100Mbit/s)		
Focal length**	8mm	12 mm	25 mm
Lens mount	M12-Mount, mechanical autofocus		
Lens cap	Transparent/Polarization/Diffusion lens cap optional		
Light source	Spotlight red light and white diffuse light Spotlight white/blue/IR, is optional		
Aiming system	Orange LED		
Digital I/O	Device trigger via pressing button on top supported. 12-pin M12 connector provides power and I/O: Opto-isolated input x 3, opto-isolated output x 3, RS232 x 1		
Power Input	DC 24V		
Power Consumption	24V @6.2W		
Housing Size	Straight angle: 80.1 mm × 43 mm × 44.3 mm Right angle: 58.5 mm × 43 mm × 65.4 mm (195g)		
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)		
Driver	DM-Datum		

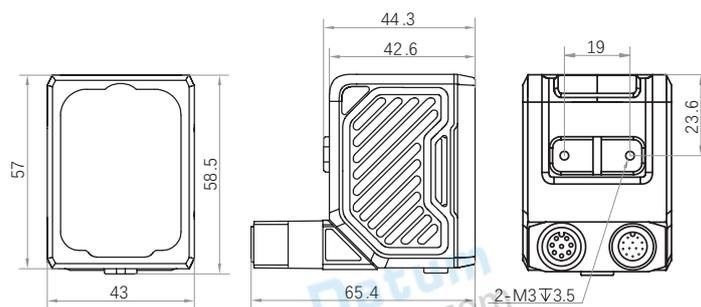
**: xx is available in different focal lengths in the model.

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: (straight angle)



Dimensions: (right angle)



Detection Range

Lens Focal Length	Working Distance (mm)	FoV (mm)		1D Single Pixel Accuracy	2D Single Pixel Accuracy
		H	V		
8mm	25	22.3	16.7	0.011	0.033
	100	89	66.9	0.043	0.131
	300	267.1	200.8	0.13	0.392
	600	534.3	401.5	0.261	0.784
	1000	883.2	662.4	0.4	1.3
	2000	1766.4	1324.8	0.9	2.6
12mm	60	35.5	26.6	0.017	0.052
	100	59.2	44.3	0.029	0.087
	300	177.7	133	0.087	0.26
	600	355.5	266	0.173	0.52
	1000	592.4	443.4	0.3	0.9
	2000	1184.9	886.8	0.6	1.7
25mm	230	64.6	48.3	0.032	0.094
	300	84.3	63.1	0.041	0.123
	500	140.5	105.1	0.069	0.205
	1000	281.1	210.2	0.1	0.4
	2000	562.2	420.4	0.3	0.8

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