

DM-Q500S-MxxSM-SWST

- 5MP @Max. reading speed 90 codes/sec
- Built-in deep learning code reading algorithm
- Support TCP, Serial, FTP, MELSEC, Fins and other communication protocols.
- Adopts mechanical autofocus lens to achieve automatic focusing.
- IP67 protection**



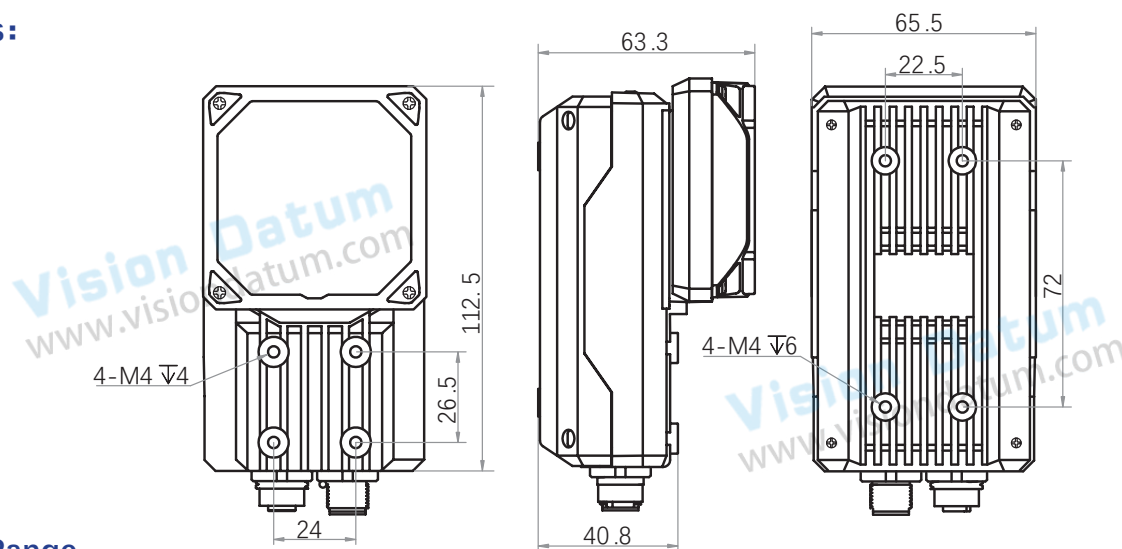
Applied range • 3C • Lithium • Tobacco • Pharmaceutical • Photovoltaic • automobile, etc.

Symbologies	• 1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN8, EAN13, UPCA, UPCE, ITF14, ITF25, Matrix 25, MSI, China Post, Code 11, Industrial 25 • 2-dimensional codes: QR Code, Data Matrix • Stacked codes: PDF417
Communication protocol	TCP Client, Serial, FTP, TCP Server, MELSEC, Fins, ModBus, SLMP

Model	DM-Q500S-MxxSM-SWST			
Resolution	2560 × 2048			
Max. frame rate[fps]	40			
Max. reading speed	90 codes/sec			
Sensor type	CMOS, Global Shutter			
Pixel size [μm]	3.2 × 3.2			
Sensor size	1/1.7"			
Exposure time	60μs~1s			
Gain	0 ~ 18 dB			
Mono/color	Mono			
Data interface	Gigabit Ethernet (1000 Mbit/s)			
Focal length	8 mm	12 mm	16 mm	25 mm
Lens mount	M12-Mount , Mechanical autofocus			
Lens Cap	Half polarization lens cap by default. Transparent and full polarization lens cap are optional.			
Light Source	White light by default. Red/blue/IR light is optional.			
Digital I/O	12-pin M12 connector provides power and I/O: opto-isolated input × 3, opto-isolated output × 3, RS-232 input × 1, and RS-232 output × 1			
Power Input	24V			
Power Consumption	24V @60W			
Housing Size	112.5 mm × 65.5 mm × 63.3 mm (450g)			
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)			
Driver	DM-Datum			

** IP67 (under proper installation of waterproof lens cap)

Dimensions:



Detection Range

Lens Focal Length	Working Distance (mm)	FoV (mm)		1D Single Pixel Accuracy	2D Single Pixel Accuracy
		H	V		
8mm	25	25.6	20.48	0.01	0.03
	100	102.4	81.92	0.04	0.12
	200	204.8	163.84	0.08	0.24
	300	307.2	245.76	0.12	0.36
	400	409.6	327.68	0.16	0.48
	500	512	409.6	0.2	0.6
	600	614.4	491.52	0.24	0.72
12mm	60	40.96	32.77	0.016	0.048
	100	68.27	54.61	0.027	0.08
	200	136.53	109.23	0.053	0.16
	300	204.8	163.84	0.08	0.24
	400	273.07	218.45	0.107	0.32
	500	341.33	273.07	0.133	0.4
	600	409.6	327.68	0.16	0.48
16mm	100	51.2	40.96	0.02	0.06
	200	102.4	81.92	0.04	0.12
	300	153.6	122.88	0.06	0.18
	400	204.8	163.84	0.08	0.24
	500	256	204.8	0.1	0.3
	600	307.2	245.76	0.12	0.36
25mm	230	75.37	60.29	0.029	0.088
	300	98.3	78.64	0.038	0.115
	400	131.07	104.86	0.051	0.154
	500	163.84	131.07	0.064	0.192
	600	196.61	157.29	0.077	0.23

