

DM-J160P-MxxAF-SxST **

- 1.6MP @Max. reading speed 84 codes/sec
- Built-in deep learning algorithm
- Supports external manual triggering
- Supports mechanical autofocus
- IP67 protection



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

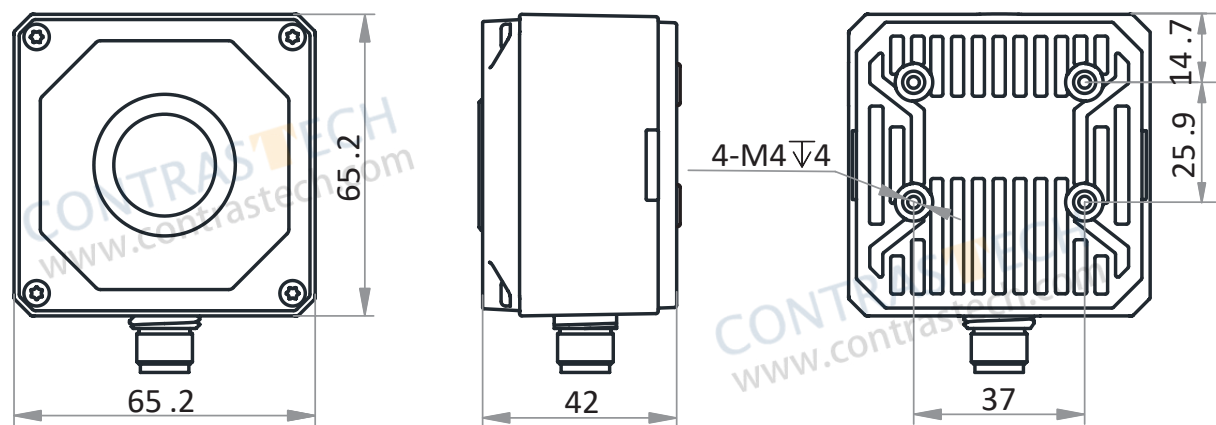
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN, UPCA, UPCE 2-dimensional codes: QR Code, Data Matrix - Stack codes: PDF 417
Communication protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, Melsec, Modbus, FINS, SLMP

Model	DM-J160P-MxxAF-SxST **		
Resolution	1408×1024		
Max. frame rate[fps]	60		
Max. reading speed	84 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 ~ 40 dB		
Mono/color	Mono		
Data interface	Fast Ethernet (100Mbit/s)		
Focal length **	6 mm	12 mm	14.8 mm
Lens mount	M12-Mount,mechanical autofocus supported.		
Working distance	20 ~ 600 mm	60 ~ 600 mm	88 ~ 600 mm
Light source	White LED,Red/Blue/Infrared Optional		
Digital I/O	Device trigger via pressing button on top supported.		
	17-pin M12 connector provides power and I/O:non-isolated input× 3, non-isolated output × 3, RS-232 × 1.		
Power Input	24V		
Power Consumption	24V @20W		
Housing Size	65.2 mm × 65.2 mm × 47 mm (280g)		
Operating Temperature	-30~70 ° C (Storage), 0~50° C (Working)		
Driver	DM-Datum		

**:xx is a different focal length for the lens factory selectable.

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

Dimensions:



Detection Range

Lens Focal Length	Working Distance (mm)	FoV (mm)		1D Single Pixel Accuracy	2D Single Pixel Accuracy
		H	V		
6	20	16.2	11.8	0.012	0.035
	100	81	58.9	0.058	0.173
	200	161.9	117.8	0.115	0.456
	300	242.9	176.6	0.173	0.518
	400	323.8	235.5	0.230	0.690
	500	404.8	294.4	0.288	0.863
	600	485.8	353.3	0.345	1.035
12	60	24.3	17.7	0.017	0.052
	100	40.5	29.4	0.029	0.086
	200	81	58.9	0.058	0.173
	300	121.4	88.3	0.086	0.259
	400	161.9	117.8	0.115	0.345
	500	202.4	147.2	0.144	0.431
	600	242.9	176.6	0.173	0.518
14.8	88	28.9	21	0.021	0.062
	100	32.8	23.9	0.023	0.070
	200	65.6	47.7	0.047	0.140
	300	98.5	71.6	0.070	0.210
	400	131.3	95.5	0.093	0.280
	500	164.1	119.4	0.117	0.350
	600	196.9	143.2	0.140	0.420

