























































Size/Data Comparison Chart

For Data Matrix ECC 200 Symbology*

Symbol Size Row x Column	Data Capacity		5 mil Examples		7.5 mil Examples		10 mil Examples		15 mil Examples	
	Numeric	Alphanumeric								
10 x 10	6	3	 1.27 mm	 1.90 mm	 2.54 mm	 3.81 mm				
12 x 12	10	6	 1.52 mm	 2.29 mm	 3.05 mm	 4.57 mm				
14 x 14	16	10	 1.78 mm	 2.67 mm	 3.56 mm	 5.33 mm				
16 x 16	24	16	 2.03 mm	 3.05 mm	 4.06 mm	 6.10 mm				
18 x 18	36	25	 2.29 mm	 3.43 mm	 4.57 mm	 6.87 mm				
20 x 20	44	31	 2.54 mm	 3.81 mm	 5.08 mm	 7.62 mm				
22 x 22	60	43	 2.79 mm	 4.19 mm	 5.59 mm	 8.38 mm				
24 x 24	72	52	 3.05 mm	 4.57 mm	 6.10 mm	 9.14 mm				
26 x 26	88	64	 3.30 mm	 4.95 mm	 6.60 mm	 9.91 mm				
32 x 32	124	91	 4.06 mm	 6.10 mm	 8.13 mm	 12.19 mm				
36 x 36	172	127	 4.57 mm	 6.86 mm	 9.14 mm	 13.72 mm				
40 x 40	228	169	 5.08 mm	 7.62 mm	 10.16 mm	 15.24 mm				
44 x 44	288	214	 5.59 mm	 8.38 mm	 11.18 mm	 16.76 mm				

* Each Data Matrix shown is a square matrix. Symbols are for size reference only, and may not be accurately reproduced on screen or by some print methods. Scale is 1:1.

Actual Size 

Displayed at 600% 

2.5 mil Data Matrix

These extremely small Data Matrix symbols are nearly invisible to the naked eye. They must be printed or marked with a high level of accuracy to ensure readability. Microscan imagers can read Data Matrix symbols as small as 2.5 mil.

Symbol Size: 10 X 10
Capacity:
 Numeric: 6
 Alphanumeric: 3

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Data capacity information for additional Data Matrix symbol sizes

Square			Rectangular		
Symbol Size Row x Column	Data Capacity		Symbol Size Row x Column	Data Capacity	
	Numeric	Alphanumeric		Numeric	Alphanumeric
48 x 48	348	259	8 x 18	10	6
52 x 52	408	304	8 x 32	20	13
64 x 64	560	418	12 x 26	32	22
72 x 72	736	550	12 x 36	44	31
80 x 80	912	682	16 x 36	64	46
88 x 88	1152	862	16 x 48	98	72