



Scanner Portfolio Decode Range

No issues. No surprises. Just consistent scans.

With Zebra scanners, your workers can capture the data that matters most—as quickly and accurately as possible. That includes not having to worry about the decode range of their scanners so they remain focused on the task at hand. Whether you need barcode scanning at your retail point of sale, at patient bedside, on the manufacturing production line or in the aisles of your warehouse, we have a scanner that is right for your environment and your application.



Retail

Model	Barcode Type (Standard)	Near	Far	Barcode Type (Key vertical)	Near	Far
General Purpose Handheld						
DS2208	13 mil UPC/EAN (100%)	0.5 in./1.3 cm	14.5 in./36.8 cm	QR Code 20 mil	0 in./0 cm	11 in./27.9 cm
DS2278	13 mil UPC/EAN (100%)	0.5 in./1.3 cm	14.5 in./36.8 cm	QR Code 20 mil	0 in./0 cm	11 in./27.9 cm
DS4608	13 mil UPC/EAN (100%)	0 in./0 cm	28.0 in./71.1 cm	QR Code 20 mil	0 in./0 cm	17.5 in./44.5 cm
DS4608-DPE	13 mil UPC/EAN (100%)	0 in./0 cm	8.5 in./21.5 cm	QR Code 10 mil (20 mil N/A)	0 in./0 cm	4.5 in./11.4 cm
DS4678	13 mil UPC/EAN (100%)	0 in./0 cm	28.0 in./71.1 cm	QR Code 20 mil	0 in./0 cm	17.5 in./44.5 cm
DS4678-DPE	13 mil UPC/EAN (100%)	0 in./0 cm	8.5 in./21.5 cm	QR Code 10 mil (20 mil N/A)	0 in./0 cm	4.5 in./11.4 cm
DS8108	13 mil UPC/EAN (100%)	0 in./0 cm	24.0 in./61.0 cm	QR Code 20 mil	0.1 in./3 cm	17.6 in./44.7 cm
DS8178	13 mil UPC/EAN (100%)	0 in./0 cm	24.0 in./61.0 cm	QR Code 20 mil	0.1 in./3 cm	17.6 in./44.7 cm
CS6080	13 mil UPC/EAN (100%)	1.8 in./4.6 cm	19.5 in./49.5 cm	QR Code 20 mil	1.2 in./3.0 cm	14 in./35.6 cm
LI2208	13 mil UPC/EAN (100%)	1 in./2.5 cm	31 in./78.7 cm	Code 39 20 mil (QR Code 20 mil N/A)	1 in./2.5 cm	42 in./106.7 cm
LI4278	13 mil UPC/EAN (100%)	1 in./2.5 cm	31 in./78.7 cm	Code 39 20 mil (QR Code 20 mil N/A)	1 in./2.5 cm	42 in./106.7 cm
LS1203	13 mil UPC/EAN (100%)	0 in./0 cm	8.5 in./21.5 cm	Code 39 10 mil (QR Code 20 mil N/A)	0 in./0 cm	8.5 in./21.5 cm
LS2208	13 mil UPC/EAN (100%)	0 in./0 cm	25.1 in./63.8 cm	Code 39 20 mil (QR Code 20 mil N/A)	0 in./0 cm	33.8 in./85.9 cm
General Purpose Hands-Free						
DS9308	13 mil UPC/EAN (100%)	0 in./0 cm	8.8 in./22.4 cm	QR Code 20 mil	0 in./0 cm	7.5 in./19.1 cm
DS9908	13 mil UPC/EAN (100%)	0 in./0 cm	24.7 in./62.7 cm	QR Code 20 mil	1 in./2.5 cm	18.0 in./45.7 cm
Fixed Mount						
DS55	13 mil UPC/EAN (100%)	Trigger Mode: 1.6 in./4.1 cm Presentation Mode: 1.6 in./4.1 cm	Trigger Mode: 24.7 in./62.7 cm Presentation Mode: 14 in./35.6 cm	QR Code 20 mil	Trigger Mode: 0.9 in./2.3 cm Presentation Mode: 0.9 in./2.3 cm	Trigger Mode: 17.3 in./43.9 cm Presentation: 14.0 in./35.6 cm
MS4700	13 mil UPC/EAN (100%)	1.6 in./4.0 cm Flush-Mount: 0 in./0 cm	25.8 in./65.5 cm Flush-Mount: 17 in./43.2 cm	QR Code 20 mil	3 in./7.6 cm Flush-Mount: 0 in./0 cm	15.6 in./39.6 cm Flush-Mount: 12.4 in./31.5 cm
Single-Plane and Multi-Plane						
SP72-H	13 mil UPC/EAN (100%)	0 in./0 cm	7.2 in./18.2 cm	QR Code 20 mil	0 in./0 cm	6.3 in./16.0 cm
SP72-V	13 mil UPC/EAN (100%)	0 in./0 cm	8.6 in./21.8 cm	QR Code 20 mil	0 in./0 cm	7.5 in./19.1 cm
DS7708	13 mil UPC/EAN (100%)	0 in./0 cm	10.3 in./26.1 cm	QR Code 10 mil (20 mil N/A)	0 in./0 cm	4.9 in./12.4 cm

Healthcare

Model	Barcode Type (Standard)	Near	Far	Barcode Type (Key vertical)	Near	Far
DS2208-HC (EMEA only)	13 mil UPC/EAN (100%)	0.5 in./1.3 cm	14.5 in./36.8 cm	Datamatrix: 10 mil	0.3 in./0.8 cm	6.2 in./15.7 cm
DS2278-HC (EMEA only)	13 mil UPC/EAN (100%)	0.5 in./1.3 cm	14.5 in./36.8 cm	Datamatrix: 10 mil	0.3 in./0.8 cm	6.2 in./15.7 cm
DS8108-HC	13 mil UPC/EAN (100%)	0 in./0 cm	15.9 in./40.4 cm	Datamatrix: 10 mil	0.6 in./1.5 cm	8.5 in./21.6 cm
DS8178-HC	13 mil UPC/EAN (100%)	0 in./0 cm	15.9 in./40.4 cm	Datamatrix: 10 mil	0.6 in./1.5 cm	8.5 in./21.6 cm
DS4608-HC	13 mil UPC/EAN (100%)	0 in./0 cm	18 in./45.7 cm	Datamatrix: 10 mil	0.2 in./0.5 cm	9.5 in./24.1 cm
CS6080-HC	13 mil UPC/EAN (100%)	1.8 in./4.6 cm	19.5 in./49.5 cm	Datamatrix: 10 mil	2.9 in./7.4 cm	8 in./20.3 cm
DS55 for Labs	13 mil UPC/EAN (100%)	Trigger Mode: 1.6 in./4.1 cm Presentation Mode: 1.6 in./4.1 cm	Trigger Mode: 24.7 in./62.7 cm Presentation Mode: 14 in./35.6 cm	Datamatrix: 10 mil	Trigger Mode: 1.9 in./4.8 cm Presentation Mode: 1.9 in./4.8 cm	Trigger Mode: 10.8 in./27.4 cm Presentation Mode: 9.5 in./24.1 cm
DS9908-HD	13 mil UPC/EAN (100%)	0.2 in./0.5 cm	19.1 in./48.5 cm	Datamatrix: 10 mil	0.5 in./1.3 cm	9.3 in./23.6 cm

Manufacturing and T&L

For the DS3600 Series, all available barcode types and their corresponding near and far decode distances are presented on this page due to the various scanning capabilities within each model.

Model	Barcode Type	Resolution (mil)	Near	Far	Model	Barcode Type	Resolution (mil)	Near	Far	
DS3600-SR	Code 128	5	1.3 in./3.3 cm	6.7 in./17 cm	DS3600-DP	UPC 100%	13	1 in./2.5 cm	2.5 in./14.7 cm	
	Code 128	20	2.8 in./71 cm	28 in./71.1 cm		Code 39	3	0.2 in./0.5 cm	2.8 in./71 cm	
	Code 128	40	1.7 in./4.4 cm	60 in./152.4 cm		Code 39	5	0.2 in./0.5 cm	2.8 in./71 cm	
	Datamatrix	7.5	1.9 in./4.8 cm	6 in./15.2 cm		PDF417	6.6	0.2 in./0.5 cm	3.2 in./8.1 cm	
	Datamatrix	10	1.4 in./3.5 cm	8.6 in./21.8 cm		Datamatrix	5	0.4 in./1 cm	2.5 in./6.3 cm	
DS3600-ER**	Code 128	15	5 in./12.7 cm	100 in./254 cm		Datamatrix	10	0.0 in./0.0 cm	3.4 in./8.6 cm	
	Code 128	40	3.5 in./8.9 cm	260 in./660.4 cm		QR	5	0.4 in./1 cm	1 in./6.3 cm	
	Code 128	100	20 in./50.8 cm	840 in./2133 cm		QR	10	0 in./0 cm	3.4 in./8.6 cm	
	Datamatrix	10	4 in./10.1 cm	44 in./111.76 cm		DS3600-KD	Code 128	5	6 in./15.2 cm	14 in./35.6 cm
	Datamatrix	200	10 in./25.4 in	500 in./1270 cm			Code 128	20	5 in./12.7 cm	45 in./114.3 cm
DS3600-XR	UPC 100%	13	1.3 in./3.3 cm	12.1 ft./3.7 m	Code 128		40	2.8 in./71 cm	80 in./203.2 cm	
	Code 128	10	2.2 in./5.6 cm	8.5 ft./2.6 m	Datamatrix		7.5	7 in./17.8 cm	11 in./27.9 cm	
	Code 128	15	2.1 in./5.3 cm	13.6 ft./4.1 m	Datamatrix		10	6 in./15.2 cm	15 in./38.1 cm	
	Code 128	40	Dependent on width of barcode*	34.6 ft./10.5 m	DS3600-HD	Code 128	3	2 in./5.1 cm	3 in./7.6 cm	
	Code 128	100	Dependent on width of barcode*	87.6 ft./26.7 m		Code 128	20	2.2 in./5.6 cm	26 in./66 cm	
	Code 39	5	1.3 in./3.3 cm	4.7 ft./1.4 m		Datamatrix	10	1 in./2.5 cm	9 in./22.9 cm	
	Code 39	7.5	1.3 in./3.3 cm	7.4 ft./2.2 m		PDF417	5	2 in./5.1 cm	6 in./15.2 cm	
	Code 39	20	2 in./5.1 cm	18.1 ft./5.5 m		DS3600-DPA	UPC 100%	13	1 in./2.5 cm	5.8 in./14.7 cm
	Code 39	40	Dependent on width of barcode*	41.1 ft./12.5 m	Code 128		15	3.3 in./8.4 cm	10 in./25.4 cm	
	Code 39	55	Dependent on width of barcode*	61.1 ft./18.6 m	Code 39		3	0.5 in./1.3 cm	4.7 in./11.9 cm	
	Code 39	100	Dependent on width of barcode*	105.1 ft./32 m	Code 39		5	0.2 in./0.5 cm	5.6 in./14.2 cm	
	Datamatrix	10	1.3 in./3.3 cm	5.5 ft./1.7 m	PDF417		6.6	0.1 in./0.3 cm	4 in./10.2 cm	
	Datamatrix	100	Dependent on width of barcode*	52.1 ft./15.9 m	Datamatrix		5	1.2 in./3 cm	2.9 in./7.4 cm	
	Datamatrix	200	Dependent on width of barcode*	100 ft./30.5 m	Datamatrix		10	0.1 in./0.3 cm	4.8 in./12.5 cm	
	QR Code	10	1.3in./ 3.3 cm	4.6 ft./1.4 m	QR		10	0.1 in./0.3 cm	4.8 in./12.5 cm	
DS3600-HP	Code 128	5	6 in./15.2 cm	14 in./35.6 cm	LI3600-SR		UPC 100%	13	1 in./2.5 cm	31 in./78.7 cm
	Code 128	20	5 in./12.7 cm	45 in./114.3 cm			Code 39	4	4 in./10.2 cm	10 in./25.4 cm
	Code 128	40	2.8 in./71 cm	80 in./203.2 cm		Code 39	7.5	1.5 in./3.8 cm	19 in./48.3 cm	
	Datamatrix	7.5	7 in./17.8 cm	11 in./27.9 cm		Code 39	20	1 in./2.5 cm	42 in./106.7 cm	
	Datamatrix	10	6 in./15.2 cm	15 in./38.1 cm		LI3600-ER	Code 128	15	5 in./12.7 cm	85 in./215.9 cm
							Code 39	7.5	3 in./7.6 in	28 in./71.2 cm
							Code 39	10	2 in./5.1 in	70 in./177.8 cm
							Code 39	20	3 in./7.6 in	140 in./355.6 cm
							Code 39	55	6 in./15.2 cm	350 in./889 cm
							Code 39	100	20 in./50.8 cm	680 in./1727.2 cm
					Code 39		100 (reflective)	30 in./76.2 cm	780 in./1981.2 cm	

*Dependent on width of the barcode, shorter can be read closer and wider can be read farther.

**DS3600-ER is available in NA only.

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