Barcode & label cheat sheet

The barcodes on your dock: what each carries and where you meet it.

Industrial Sight

Linear · 1D

Laser-readable. Low data, no error correction.



Code 39 1D
Letters + numbers · legacy / DoD



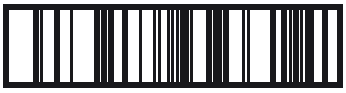
Code 128 1D
Full ASCII · high density



GS1-128 1D
Logistics · pallets · SSCC



UPC-A / EAN-13 1D
Retail checkout



ITF-14 1D
Shipping cartons



GS1 DataBar 1D
Small items · produce

Matrix & stacked · 2D

Camera-read. High data, Reed-Solomon error correction.



QR Code 2D
Consumer-scannable · marketing



Data Matrix 2D
Tiny parts · medical UDI



PDF417 2D
IDs · boarding passes



Aztec 2D
Transit tickets



MaxiCode 2D
Parcel carrier sortation

How they differ

Linear vs. matrix, at a glance.

DIMENSIONALITY	CHARACTER SET	CAPACITY	ERROR CORRECTION	READER
Bars in one direction	Numeric / alphanumeric	Low: tens of characters	None / check digit	Laser / linear imager
Modules in a grid	**Full ASCII + binary**	**High: up to kilobytes**	**Reed-Solomon; survives damage**	**Camera imager**

Industrial Sight saves a photo and timestamp with every scan.

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www.industrialsight.com/resources/barcode-label-cheat-sheet