

In-Sight 7000 Specifications

Model	Speed Rating ¹	Acquisition ² (fps)	Resolution		User Interface		Supported Tools ³							Part Number		
			800 x 600	1280 x 1024	EasyBuilder	Spreadsheet	Base Tools	Essential Tools	Extended Tools	ID Tools	Color Tools	PatMax Available	OCR Only			
7010	2x	102	•		•			B					C			IS7010-01
7020	2x	102	•		•			B	E							IS7020-01
7050	2x	102	•		•	•		B	E							IS7050-01
7200	6x	102	•		•	•		B	E	X	I	C	P			IS7200-01, IS7200-11 (PatMax)
7400	12x	102	•		•	•		B	E	X	I	C	P			IS7400-01, IS7400-11 (PatMax)
7402	12x	60		•	•	•		B	E	X	I	C	P			IS7402-01, IS7402-11 (PatMax)
OCR Models																
7230	6x	102	•		•										O	IS7230-01
7430	12x	102	•		•										O	IS7430-01
7432	12x	60		•	•										O	IS7432-01
ID Models																
7210	6x	102	•		•	•					I					IS7210-01
7410	12x	102	•		•	•					I					IS7410-01
7412	12x	60		•	•	•					I					IS7412-01

Notes:

In-Sight 7000 has four high speed input and four high speed output built in. I/O modules are available for additional I/O.

1) Speed rating compared to In-Sight Micro 1020 model and does not include image acquisition rate. The 5604 and 5614 models have acquisition speed rated in lines per second.

2) Acquisition rate is based on minimum exposure, and a full image frame capture.

3) Supported Tools:

- B** Base tool set includes brightness, contrast, pattern, edge, point-to-point geometry, distance, angle, plot and blob tools.
- E** Essential tool set includes blob, edge, curve and line finding, histogram and geometry tools, image filters, pattern matching, and standard calibration.
- X** Extended tool set includes non-linear calibration and caliper tool. PatMax option available.
- I** ID tool set includes: 1-D/2-D barcode reading and verification, text reading and verification (OCR/OCV) and image filters.
- C** Color tool set includes MatchColor, ExtractColor, color histogram, color to greyscale filters and color to greyscale distance filter. Exception: In-Sight 7010C has Color ID tool only.
- P** Includes PatMax, Cognex patented geometric pattern matching technology.
- O** OCR model, EasyBuilder only, OCRMax, location tools and a subset of the Base tool set.

For additional In-Sight technical information, please visit www.cognex.com/support/insight