

# In-Sight Micro Specifications



Model	Speed Rating <sup>1</sup>	Acquisition <sup>2</sup> (fps)	Color Model	Available in Stainless Steel	Resolution					User Interface		Supported Tools <sup>3</sup>					Part Number
					640 x 480	1024 x 768	1280 x 1024	1600 x 1200	1K Line Scan	EasyBuilder	Spreadsheet	Essential Tools	Extended Tools	ID Tools	Color Tools	PatMax Available	
1020	1x	60			•					•		E					ISM1020-01
1050	1x	60			•					•	•	E					ISM1050-01
1100	4x	60			•					•	•	E	X	I		P	ISM1100-01 ISM1100-11 (PatMax)
1100C	4x	58	•		•					•	•	E	X	I	C	P	ISM1100-C01 ISM1100-C11 (PatMax)
1110	4x	60			•					•	•			I			ISM1110-01
1400	10x	60			•					•	•	E	X	I		P	ISM1400-01 ISM1400-11 (PatMax)
1400C	10x	58	•		•					•	•	E	X	I	C	P	ISM1400-C01 ISM1400-C11 (PatMax)
1402	8x	60					•			•	•	E	X	I		P	ISM1402-01 ISM1402-11
1403	8x	14						•		•	•	E	X	I		P	ISM1403-01 ISM1403-11 (PatMax)
1403C	8x	7.5	•					•		•	•	E	X	I	C	P	ISM1403-C01 ISM1403-C11 (PatMax)
1410	10x	60			•					•	•			I			ISM1410-01
1412	8x	60					•			•	•			I			ISM1412-01
1413	8x	14						•		•	•			I			ISM1413-01

## Notes:

- 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.
- Acquisition rate is based on minimum exposure, and a full image frame capture.
- 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](http://www.cognex.com/support/insight)