

# IN-SIGHT 2000 SPECIFICATIONS

		In-Sight 2000 Models				
		2000-110	2000-120	2000-130	2000-120C	2000-130C
User Interface		In-Sight Explorer EasyBuilder, Cognex VisionView PC Software and VisionView 900 HMI touchscreen panel				
1/3" CMOS Imager		Monochrome	Monochrome	Monochrome	Color	Color
S-Mount/M12 Lenses		8 mm (standard), optional 3.6 mm, 6 mm, 12 mm, 16 mm, 25 mm				
Image Modes	640 x 480 (standard)	✓	✓	✓	✓	✓
	640 x 480 (2x magnification)	✗	✓	✓	✓	✓
	800 x 600 (2x magnification)	✗	✗	✓	✗	✓
Lighting	Standard	Diffuse white LED ring light				
	Options	Red, blue and IR LED ring lights and lens filters, and polarized light cover			Polarized light cover	
Maximum Acquisition Speed <sup>1</sup>		40 fps	75 fps	75 fps	55 fps	55 fps
Relative Processing Speed		1x	2x	2x	2x	2x
Location Tools	Pattern	✓	✓	✓	✓	✓
	Edge, Circle	✗	✗	✓	✗	✓
Inspection Tools	Pattern	✓	✓	✓	✓	✓
	Pixel Count	✗	Grayscale	Grayscale	Color	Color
	Brightness & Contrast	✗	✓	✓	✓	✓
	Edges	✗	✗	✓	✗	✓
Measurement & Counting Tools	Distance, Angle & Diameter	✗	✗	✓	✗	✓
	Patterns & Edges	✗	✗	✓	✗	✓
Communications & I/O	Protocols	EtherNet/IP, PROFINET, SLMP, SLMP Scanner, Modbus TCP, TCP/IP, UDP, FTP, Telnet (Native Mode), RS-232				
	Connectors	(1) Industrial M12 Ethernet, (1) M12 Power & I/O				
	Inputs & Outputs	(1) Acquisition trigger, (1) General purpose input <sup>2</sup> , (4) General purpose outputs <sup>2</sup>				
Mechanical	Dimensions	In-line configuration: 92 mm (3.61 in) x 60 mm (2.38 in) x 52 mm (2.05 in) Right-angle configuration: 61 mm (2.42 in) x 60 mm (2.38 in) x 52 mm (2.05 in)				
	Weight	200 g (7.05 oz)				
	Material and Protection	Painted aluminum, IP65-rated housing				
Operating	Power	24 VDC ±10%, 48 W (2.0 A) maximum when the illumination is on				
	Temperature	0°C to 40°C (32°F to 104°F)				

<sup>1</sup> Maximum framerate with minimum exposure; no vision tools; and 640 x 480 image with 2x Image Magnification enabled (for 2000-120/130 models)

<sup>2</sup> (7) general purpose inputs and (8) general purpose outputs when using optional CIO-1400 I/O Expansion Module.

