

Vision Made Simple

The power of AI without the complexity

IN-SIGHT 2800 SERIES

IN-SIGHT 2800 SERIES

Automate error detection in minutes no experience needed

The In-Sight® 2800 series vision system combines artificial intelligence (AI) technology with traditional rule-based vision tools to solve a wide range of inspection applications. From presence/absence detection to sortation and character reading, In-Sight 2800 provides an easy to deploy solution for error-proofing tasks. Designed for factory automation, In-Sight 2800 enables manufacturers of all size to:

- Increase product quality
- Maximize operational efficiency
- Streamline integration н.



Increase product quality

Catch subtle defects, classify parts with variation, and decipher complex text with highly accurate, AI-based error detection and character reading.

Al and rule-based vision tools



LEARN MORE PAGE 4

Powerful classification and **OCR** functionality



OK/NG OK NG Categorize types of defects 0 scoops 2 scoop OCR







Streamline integration

Modular solutions for integrated lights and lenses takes the guesswork out of image optimization. Identifying the correct combination of accessories for your application is only a few button clicks away.

Integrated multi-color lighting



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Compact, modular design



LEARN MORE PAGE 14



Comprehensive vision toolset addresses tasks of varying complexity

Integrating AI and rule-based tools in a single vision system, the In-Sight 2800 series solves a variety of error-proofing applications. Use the tools individually for simple jobs or chain them together to solve more complex logic sequences.



AI tools

The In-Sight 2800 is embedded with powerful edge learning tools that leverage AI technology to process images on device, or "at the edge" of where the

data originates, delivering accurate results in real time.





ViDi EL Classify

Go beyond the standard OK/NG output with ViDi™ EL Classify. The tool

identifies and sorts parts based on multiple features or characteristics. This enables users to classify defects into different categories and correctly identify parts with variation, allowing them to automate a wider range of tasks.



Training

ViDi EL Classify can be trained in minutes, using as few as five to ten images per class.



Confidence score

Get real-time, visual feedback on the accuracy of your results. The confidence score confirms whether the AI model correctly predicted the application output, leading to less manual intervention and more reliable inspections.



ViDi EL Read

Read characters on reflective, low-contrast, and non-flat surfaces with ease.

The ViDi EL Read tool deciphers a range of text, including multi-line text, using advanced optical character recognition (OCR). With minimal training required, the tool simplifies job setup and delivers fast, accurate character reading.



Training

Using a few example images of the relevant characters, ViDi EL Read can be setup and deployed in minutes.



Confidence score

Assess the accuracy of your results with the confidence score displayed below each of the trained characters.





Rule-based vision tools

Count Patterns, Math and Logic Tools, and much more.

The In-Sight 2800 is also equipped with an extensive library of industry-proven traditional vision tools and algorithms including: Measure Distance, Pixel Count,



Multiple regions of interest functionality

Set up multiple regions of interest (ROIs) to inspect different sections of your image with a single trigger.







Classification application examples

Inspect cap seating



Detect presence/absence of serving scoops



Check assembly of packaged products



Inspect PCB components



Verify proper insertion of components



Detect presence/absence of sealing caps



Detect and classify defects on product labels



Inspect for mechanical defects



Classify scents or flavoring on packaging



Check for missing components in final assembly





Read text on curved surfaces



Read text on printed labels



Decipher characters against low-contrast backgrounds





Read multiple lines of text at the same time



Common software platform offers flexible development options

In-Sight Vision Suite software is common across all In-Sight products and includes two programming environments — EasyBuilder[®] and spreadsheet — which allows you to seamlessly scale your solution as your business needs evolve.

EasyBuilder development environment simplifies setup and delivers rapid turnaround

With its point-and-click programming, the EasyBuilder interface within In-Sight Vision Suite is ideal for developing jobs, from simple to complex. The intuitive process guides developers step-by-step through setup-from image capture to the final result and beyondallowing both new and experienced users to configure vision applications.



Comprehensive set of traditional rule-based vision tools and innovative edge learning tools

Fast, 2-click image formation



Optimize Exposure

Optimize Focus

Spreadsheet guides users through advanced applications*

The In-Sight spreadsheet interface allows you to quickly set up and run jobs without the need for programming. This robust development environment provides you with the flexibility to make critical adjustments to job parameters, so you can adapt your applications as your requirements change.

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Powerful spreadsheet interface allows users to solve complex applications





Web-based HMI offers real-time application testing and optimization

The In-Sight 2800 series provides access to a web-based human-machine interface (HMI) that enables runtime visualization. From the HMI, users can view inspection results and modify setup parameters to optimize their application.



EasyView displays tags from jobs in a simplified format

*CustomView only available on In-Sight 2802 models while using the spreadsheet interface.

Full-featured vision system solves broad range of applications

The In-Sight 2800 is engineered with the entire suite of powerful Cognex vision tools and convenient features to automate applications easily and reliably.



Powerful and flexible integrated lighting

Multi-color (RGBW) lighting option allows you to optimize image contrast for the application, regardless of operating conditions. Simply click a button in In-Sight Vision Suite to change the light color.



- 05

Actual part

Red light: Numbers are unclear





10

Blue light: Numbers are clear



Powerful imaging technology delivers improved inspection accuracy

High Dynamic Range (HDR) Technology uses advanced image sensor technology that is 16X more detailed than conventional sensors. This drastically increases image quality and contrast, resulting in more accurate inspections ction of even the most subtle defects.

and detection of even the most subtle defects.

Part inspection



Without HDR: Inset features are unclear.



With HDR: All features are visible.



Faster line speeds

HDR reduces exposure times, enabling you to accommodate faster line speeds.



Greater depth-of-field

HDR reduces over- and under-exposure, providing greater depth-of-field than conventional imaging sensors.

Modular, scalable architecture for current and future needs

The In-Sight 2800 series offers a wide variety of accessories and field-changeable components. This flexibility enables manufacturers to quickly adapt to new parts and keep up with changing demands, such as part changes, faster line speeds, and higher quality standards.



	In-Sight 2800	In-Sight 2801	In-Sight 2802			
Image Sensor	1 /2.8" CMOS monochrome and color					
lmage Sensor Properties		6.17 mm diagonal, 2.8 μm square pixels				
mage Resolution Options	SVGA ¹ (720x540)	1.6 MP (1440x1080)	2 MP (1920x1080)			
Electronic Shutter Speed	Min. exposure: 29 µs Max. exposure: Up to 10 ms (internal illumination) / Up to 200 ms (external illumination)					
Acquisition		Up to 45 Hz				
Lens Options		n Speed Liquid Lens or manual focus lens) n High Speed Liquid Lens	Multi Torch: 12mm, 16mm (High Speed Liquid Lens or manual focus lens)			
Discrete Inputs		2 opto-isolated				
Discrete Outputs		2 opto-isolated				
Other I/O Points		2 user configurable as inputs or outputs				
Status Outputs		5 status LEDs, audible beeper				
Lighting	Multi Torch: High-Powered Multi-Color Mini: 4 LED small form factor light for Mini HPIL: 4 LED small form factor high-po HPIA: Polarized wide-angle w	Multi Torch: High-Powered Multi-Color 4 LED ring light (red, green, blue, white)				
Communications		Ethernet interface				
Protocols	TCP/IP, PROFINET, EtherNet/IP™, SLMP, OPC/UA, FTP					
Power	24V +/- 10%					
Power Consumption		≤7.5W				
Materials	ABS, acrylic, aluminum alloy, N	IBR, PC, PET, PMMA, silicone, silicone rubbe	r, stainless steel, TVP, zinc alloy			
Weight	6	.2 mm: 141 g; 16 mm: 169 g; Multi Torch: 290 Right angle configuration adds 50 g	g;			
Operating Temperature		0–40 °C (32–104 °F)				
Storage Temperature		-10–60 °C (14–140 °F)				
Operating and Storage Humidity		<95% non-condensing				
Protection		IP67				
RoHS Certified		Yes				
Approvals		EU CE, US FCC, TUV CB NRTL IEC 61010				
Software	In-Sight Vision Suite					
In-Sight EasyBuilder access	\checkmark	\checkmark	\checkmark			
In-Sight spreadsheet access			\checkmark			

¹ SVGA options are monochrome only.

Field of view diagrams



* For applications with working distances over 500 mm, the image may remain in focus, but light uniformity and intensity will be significantly reduced. External lighting is recommended for these scenarios.



In-Sight 2800 with HPIA



* For applications with working distances of 2000 mm or more, replace the polarized lens cover with the clear lens cover provided with the In-Sight 2800 HPIA model for optimal performance.

Product IDs and Descriptions

	Product ID	Resolution	Configuration	Toolset	Light	Lens	Cover
	IS2802M-24520-SA	2MP	Mono Straight	EB/SS ¹ , All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24620-SA	2MP	Mono Straight	EB/SS, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802C-24520-SA	2MP	Color Straight	EB/SS, All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802C-24620-SA	2MP	Color Straight	EB/SS, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-24521-SA	2MP	Mono Angled	EB/SS, All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24621-SA	2MP	Mono Angled	EB/SS, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802C-24521-SA	2MP	Color Angled	EB/SS, All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802C-24621-SA	2MP	Color Angled	EB/SS, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-24520-SC	2MP	Mono Straight	EB/SS, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24620-SC	2MP	Mono Straight	EB/SS, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802C-24520-SC	2MP	Color Straight	EB/SS, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802C-24620-SC	2MP	Color Straight	EB/SS, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-24521-SC	2MP	Mono Angled	EB/SS, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24621-SC	2MP	Mono Angled	EB/SS, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802C-24521-SC	2MP	Color Angled	EB/SS, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffuse
11111	IS2802C-24621-SC	2MP	Color Angled	EB/SS, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-24520-SO	2MP	Mono Straight	EB/SS, EL Read	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24520-SO	2MP	Mono Straight	EB/SS, EL Read	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802C-24520-SO	2MP	Color Straight	EB/SS, EL Read	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802C-24620-SO	2MP	Color Straight	EB/SS, EL Read	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802C-24020-30	2MP	Mono Angled	EB/SS, EL Read	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802M-24521-SO	2MP	Mono Angled	EB/SS, EL Read	RGBW Multi Torch	12 mm HSLL	Diffuse
	IS2802IN-24021-SO	2MP	-		RGBW Multi Torch	12 mm HSLL	Diffuse
		2MP	Color Angled	EB/SS, EL Read		12 mm HSLL	Diffuse
	IS2802C-24621-SO		Color Angled	EB/SS, EL Read	RGBW Multi Torch		
	IS2802M-24520-SR	2MP 2MP	Mono Straight	EB/SS, Rule-based	RGBW Multi Torch	12 mm HSLL	Diffuse Diffuse
	IS2802M-24620-SR		Mono Straight	EB/SS, Rule-based	RGBW Multi Torch	16 mm HSLL	
	S2802C-24520-SR	2MP	Color Straight	EB/SS, Rule-based	RGBW Multi Torch	12 mm HSLL	Diffuse
	S2802C-24620-SR	2MP	Color Straight	EB/SS, Rule-based	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-24521-SR	2MP	Mono Angled	EB/SS, Rule-based	RGBW Multi Torch	12 mm HSLL	Diffuse
	S2802M-24621-SR	2MP	Mono Angled	EB/SS, Rule-based	RGBW Multi Torch	16 mm HSLL	Diffuse
	S2802C-24521-SR	2MP	Color Angled	EB/SS, Rule-based	RGBW Multi Torch	12 mm HSLL	Diffuse
	S2802C-24621-SR	2MP	Color Angled	EB/SS, Rule-based	RGBW Multi Torch	16 mm HSLL	Diffuse
	IS2802M-50000-SA	2MP	Mono Straight	EB/SS, All ViDi EL	C-Mount	N/A	N/A
	IS2802C-50000-SA	2MP	Color Straight	EB/SS, All ViDi EL	C-Mount	N/A	N/A
	IS2802M-50001-SA	2MP	Mono Angled	EB/SS, All ViDi EL	C-Mount	N/A	N/A
	IS2802C-50001-SA	2MP	Color Angled	EB/SS, All ViDi EL	C-Mount	N/A	N/A
	IS2802M-50000-SC	2MP	Mono Straight	EB/SS, EL Classify	C-Mount	N/A	N/A
	IS2802C-50000-SC	2MP	Color Straight	EB/SS, EL Classify	C-Mount	N/A	N/A
C	IS2802M-50001-SC	2MP	Mono Angled	EB/SS, EL Classify	C-Mount	N/A	N/A
	IS2802C-50001-SC	2MP	Color Angled	EB/SS, EL Classify	C-Mount	N/A	N/A
	IS2802M-50000-SO	2MP	Mono Straight	EB/SS, EL Read	C-Mount	N/A	N/A
	IS2802C-50000-SO	2MP	Color Straight	EB/SS, EL Read	C-Mount	N/A	N/A
	IS2802M-50001-SO	2MP	Mono Angled	EB/SS, EL Read	C-Mount	N/A	N/A
	IS2802C-50001-SO	2MP	Color Angled	EB/SS, EL Read	C-Mount	N/A	N/A
	IS2802M-50000-SR	2MP	Mono Straight	EB/SS, Rule-based	C-Mount	N/A	N/A
	IS2802C-50000-SR	2MP	Color Straight	EB/SS, Rule-based	C-Mount	N/A	N/A
	IS2802M-50001-SR	2MP	Mono Angled	EB/SS, Rule-based	C-Mount	N/A	N/A
	IS2802C-50001-SR	2MP	Color Angled	EB/SS, Rule-based	C-Mount	N/A	N/A

¹ EasyBuilder/Spreadsheet

This table includes only the most common product models. To get information on other available models, including angled configurations, please contact Cognex Sales at <u>cognex.com/contact-sales</u>.

Product IDs and Descriptions

I-SIGHT 2	2800/2801						
	Product ID	Resolution	Configuration	Toolset	Light	Lens	Cover
	IS2801M-24420-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	RGBW Multi Torch	8 mm HSLL	Diffused
	IS2801C-24420-EC	1.6MP	Color Straight	EasyBuilder, EL Classify	RGBW Multi Torch	8 mm HSLL	Diffused
	IS2801M-24520-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801C-24520-EC	1.6MP	Color Straight	EasyBuilder, EL Classify	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801M-24620-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801C-24620-EC	1.6MP	Color Straight	EasyBuilder, EL Classify	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801M-24420-EO	1.6MP	Mono Straight	EasyBuilder, EL Read	RGBW Multi Torch	8 mm HSLL	Diffused
~~	IS2801C-24420-EO	1.6MP	Color Straight	EasyBuilder, EL Read	RGBW Multi Torch	8 mm HSLL	Diffused
	IS2801M-24520-EO	1.6MP	Mono Straight	EasyBuilder, EL Read	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801C-24520-EO	1.6MP	Color Straight	EasyBuilder, EL Read	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801M-24620-EO	1.6MP	Mono Straight	EasyBuilder, EL Read	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801C-24620-EO	1.6MP	Color Straight	EasyBuilder, EL Read	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801M-24420-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	8 mm HSLL	Diffused
	IS2801C-24420-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	8 mm HSLL	Diffused
	IS2801M-24520-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801C-24520-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801M-24620-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801C-24620-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801M-24520-ER	1.6MP	Mono Straight	EasyBuilder, Rule-based	RGBW Multi Torch	12 mm HSLL	Diffused
	IS2801M-24220-ER	1.6MP	Mono Straight	EasyBuilder, Rule-based	RGBW Multi Torch	12 mm	Diffused
	IS2801M-24620-ER	1.6MP	Mono Straight	EasyBuilder, Rule-based	RGBW Multi Torch	16 mm HSLL	Diffused
	IS2801M-42610-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	HPIL Red	16 mm HSLL	Clear
8-8	IS2800M-42610-EC	SVGA	Mono Straight	EasyBuilder, EL Classify	HPIL Red	16 mm HSLL	Clear
8 8	IS2800M-42610-ER	SVGA	Mono Straight	EasyBuilder, Rule-based	HPIL Red	16 mm HSLL	Clear
	IS2801M-32710-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	Mini Red	6.2 mm HSLL	Clear
	IS2800M-32710-EC	SVGA	Mono Straight	EasyBuilder, EL Classify	Mini Red	6.2 mm HSLL	Clear
	IS2800M-32710-ER	SVGA	Mono Straight	EasyBuilder, Rule-based	Mini Red	6.2 mm HSLL	Clear
	IS2801M-50000-EC	1.6MP	Mono Straight	EasyBuilder, EL Classify	C-Mount	N/A	N/A
	IS2801C-50000-EC	1.6MP	Color Straight	EasyBuilder, EL Classify	C-Mount	N/A	N/A
	IS2801M-50000-EO	1.6MP	Mono Straight	EasyBuilder, EL Read	C-Mount	N/A	N/A
Contraction of the	IS2801C-50000-EO	1.6MP	Color Straight	EasyBuilder, EL Read	C-Mount	N/A	N/A
	IS2801M-50000-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	C-Mount	N/A	N/A
	IS2801C-50000-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	C-Mount	N/A	N/A
	IS2801M-61730-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	Wide-angle HPIA	6.2 mm HSLL	Polarize Clear
	IS2801C-61730-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	Wide-angle HPIA	6.2 mm HSLL	Polarize Clear
	IS2801M-61630-EA	1.6MP	Mono Straight	EasyBuilder, All ViDi EL	Wide-angle HPIA	16 mm HSLL	Polarize Clear
	IS2801C-61630-EA	1.6MP	Color Straight	EasyBuilder, All ViDi EL	Wide-angle HPIA	16 mm HSLL	Polarize Clear

This table includes only the most common product models. To get information on other available models, including angled configurations, please contact Cognex Sales at cognex.com/contact-sales.

Components and accessories

Required

POWER AND I/O CABLES						
	Product ID	Length	Description			
	CCB-PWRIO-05	5M	M10 10 to flying load			
	CCB-PWRIO-10	10M	M12-12 to flying lead, straight			
	CCB-PWRIO-15	15M	Straight			
$\left(\right)$	CCB-PWRIO-05R	5M	M40.40 to fluing load			
	CCB-PWRIO-10R	10M	M12-12 to flying lead, right-angled			
	CCB-PWRIO-15R	15M	ngni-angieu			

MOUNTING BRACKETS						
	Product ID	Description				
E.	DM100-UBRK-000	Universal mounting bracket				
Ŋ	DM100-PIVOTM-01	Pivot mounting bracket				
	280-BKT-ADAPT	Flat surface mounting plate adapter for Multi Torch configuration				

ETHERNET CABLES						
	Product ID	Length	Description			
	CCB-84901-2001-02	2M				
	CCB-84901-2001-05	5M	V			
	CCB-84901-2001-10	10M	X-coded M12-8 to RJ-45, straight			
	CCB-84901-2001-15	15M	No-40, Straight			
	CCB-84901-2001-30	30M				
	CCB-84901-2002-02	2M				
1	CCB-84901-2002-05	5M	X-coded M12-8 to			
	CCB-84901-2002-10	10M	RJ-45, right-angled			
	CCB-84901-2RBT-02	2M	Robotic X-coded			
	CCB-84901-2RBT-05	5M	M12-8 to RJ-45,			
	CCB-84901-2RBT-10	10M	straight			

Optional

MULTI TORCH BANDPASS FILTERS					
	Product ID Description				
	280-TORCH-BP450	Blue bandpass filter (450 nm)			
	280-TORCH-BP635	Red bandpass filter (635 nm)			

MULTI TORCH FRONT COVERS*						
	Product ID	Description				
	280-TORCH-COVPOL	Multi Torch cross polarized cover				
	280-TORCH-COVCLR	Multi Torch clear cover				
	280-TORCH-COVDIF	Multi Torch diffused cover				
	280-TORCH-DOME	Multi Torch dome attachment				

C-MOUNT		
	Product ID	Description
1	DM280-CMNT-00	C-mount adapter
0:	DM280-CMNT-CVR	C-mount cover

MINI BANDPASS FILTERS						
	Product ID	Description				
0	DM150-BP470	Blue bandpass filter (6.2 mm lens only)				
0	DM150-BP635	Red bandpass filter (6.2 mm lens only)				

MINI FRONT COVERS*						
	Product ID	Description				
	DM280-CVR-62	Mini front cover (6.2 mm lens)—clear				
	DM280-LENS-62CVR-F	Mini front cover (6.2 mm lens)—polarized				
	DM260-LENS-16CVR	Mini HPIL front cover (16 mm lens)—clear				
-	DM260-LENS-16CVR-P	Mini HPIL front cover (16 mm lens)—half polarized				
-	DM260-LENS-16CVR-F	Mini HPIL front cover (16 mm lens)—fully polarized				

*In-Sight 2800 comes with one front cover. Additional options or spare covers listed.

Dimensions



In-Sight 2800 Series with dome attachment

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Straight configuration

Download CAD files





Right angle configuration

Download CAD files

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In-Sight 2800 Series Mini with 6.2 mm lens front cover

Straight configuration

Download CAD files Download CAD files [2,971] 75.5 [1,668] 42,4 Optical Axis [1,486] 37.8 46) 0.929 23.6 437 [1,669] [0,123] Ø3,1 ▼4,9 [0,192 OPTICAL AXIS Mounting Holes M3 (2X) ¥ 4,0 [0.157] [3.091] 78.5 03. 66] 0.982 Mounting Holes M3 (2X) ¥ 4,0 [0.157] 0.829 [0,557] 14,2 Optical Axis 0 (Ť • • -01 49,1 Ē -Mounting holes M3 (2X) [1,46] ø ø [1,457]

In-Sight 2800 Series Mini with 16 mm lens HPIL front cover

Straight configuration

Download CAD files

Right angle configuration

Right angle configuration

Download CAD files



In-Sight 2800 Series with C-mount

Straight configuration

Download CAD files



Right angle configuration

Download CAD files







In-Sight 2800 Series with C-mount cover

Straight configuration





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[1,669] 42,4

Right angle configuration

Download CAD files





In-Sight 2800 Series with Wide-Angle HPIA

Straight configuration

Download CAD files



Pivot mounting bracket



Universal mounting bracket









For more information, including software downloads, application examples, and product collateral, please visit:

cognex.com/in-sight-2800



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Companies around the world rely on Cognex vision and barcode reading

solutions to optimize quality, drive down costs, and control traceability.

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