

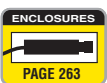
# PresencePLUS® P4

## EDGE and EDGE 1.3 Vision Sensors for Height, Width, Location and Edges

- Uses Edge and Object tools to evaluate selected features
- Validates the height, width, location and edge of materials
  - Standard EDGE model provides high-speed analysis of more than 10,000 parts per minute.
  - High-resolution EDGE 1.3 model (1280 x 1024 pixels) delivers analysis of up to 1,200 parts per minute using 1.3 megapixel imaging for detailed inspections of large areas.
- Features compact, self-contained P4 housing
- Includes remote TEACH, configurable I/Os, live video and communications standard to all PresencePLUS sensors



VISION



**Highly detailed automated error-proofing and inspections at a fraction of the cost of comparable vision sensors.**

- **Part Identification and Orientation.** Eliminates rejects before they are assembled or packaged
- **Assembly Verification.** Inspects for all critical features in a variety of assembly applications
- **Error Proofing.** Measures for the correct fill level of liquid in bottles

- **Label Verification.** Verifies that labels are correctly positioned
- **Quality Control Sorting.** Verifies that caps are on completely and correctly in a high-speed bottling application



### PresencePLUS® P4 EDGE Sensors



Models	Housing	Resolution	Vision Tools	Location/Rotation Adj.	Communications	Multiple Inspections	Lens	Discrete I/O	Data Sheet
P4ER	Right-Angle	128 x 100 Pixels			Ethernet IP Modbus/TCP ASCII 10/100 Ethernet RS-232C	12 Remotely Selectable	Standard C-Mount or Megapixel C-Mount	4 Configurable: Electrical (NPN/PNP Selectable), Function, Timing	Quickstart: 118000 Manuals: 120413
P4EI	In-Line								
P4E1.3R	Right-Angle	1280 x 1024 Pixels		Locate ± 90 degrees			Megapixel C-Mount		
P4E1.3I	In-Line								

## PresencePLUS® P4 EDGE Solution Kit



Solution kits include sensor, bracket, cordset, lens, light, PC interface cable, CD-ROM and Quickstart Guide. Detailed information about individual kit components follows.

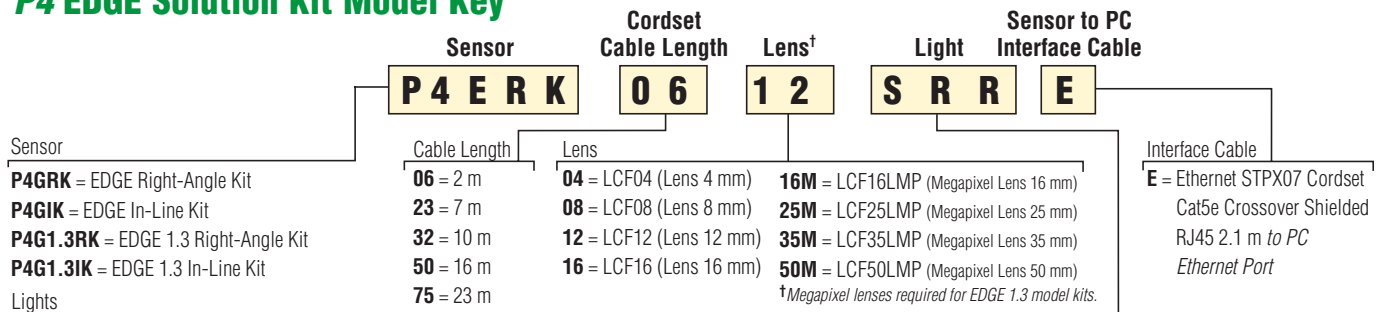
- **Sensors** . . . . . Page 248
- **Lights** . . . . . 255
- **Lens** . . . . . 264
- **Cables** . . . . . 265

A *partial listing* of kits is listed below; see *Kit Model Key* to order other variations.

Model Number Right-Angle Sensor	Model Number In-Line Sensor	Sensor	Cordset*	Lens	Light**	Sensor to PC Interface Cable†
P4ERK0612LRRE	P4EIK0612LRRE	EDGE	2 m	12 mm	Red 80 x 80 mm Ring Light	Cat5e 2.1 m Crossover RJ45 Ethernet
P4ERK0616LRRE	P4EIK0616LRRE			16 mm		
P4E1.3RK0616MLRRE	P4E1.3IK0616MLRRE	16 mm Megapixel				
P4E1.3RK0625MLRRE	P4E1.3IK0625MLRRE	EDGE 1.3		25 mm Megapixel		
P4ERK0612ARE	P4EIK0612ARE			12 mm	Red 80 x 80 mm Area Light	
P4ERK0616ARE	P4EIK0616ARE	16 mm				
P4E1.3RK0616MARE	P4E1.3IK0616MARE	EDGE 1.3		16 mm Megapixel		
P4E1.3RK0625MARE	P4E1.3IK0625MARE			25 mm Megapixel		

\* Other lengths available. See Model Key. \*\* Red lights shown. Infrared and other LED colors available. See Model Key.  
† Can be omitted by removing suffix E in kit model number.

### P4 EDGE Solution Kit Model Key



- Lights**
- SRR** = LEDR62X62M (Ring Light, Red, 62 x 62 mm)
  - SRW** = LEDWR62X62M (Ring Light, White, 62 x 62 mm)
  - SRB** = LEDBR62X62M (Ring Light, Blue, 62 x 62 mm)
  - SRG** = LEDGR62X62M (Ring Light, Green, 62 x 62 mm)
  - SRI** = LEDIR62X62M (Ring Light, Infrared, 62 x 62 mm)
  - LRR** = LEDRR80X80M (Ring Light, Red, 80 x 80 mm)
  - LRW** = LEDWR80X80M (Ring Light, White, 80 x 80 mm)
  - LRB** = LEDBR80X80M (Ring Light, Blue, 80 x 80 mm)
  - LRG** = LEDGR80X80M (Ring Light, Green, 80 x 80 mm)
  - LRI** = LEDIR80X80M (Ring Light, Infrared, 80 x 80 mm)
  - AR** = LEDRA80X80M (Area Light, Red, 80 x 80 mm)
  - AW** = LEDWA80X80M (Area Light, White, 80 x 80 mm)
  - AB** = LEDBA80X80M (Area Light, Blue, 80 x 80 mm)
  - AG** = LEDGA80X80M (Area Light, Green, 80 x 80 mm)
  - AI** = LEDIA80X80M (Area Light, Infrared, 80 x 80 mm)
  - SAR** = LEDRA62X62M (Area Light, Red, 62 x 62 mm)
  - SAW** = LEDWA62X62M (Area Light, White, 62 x 62 mm)
  - SAB** = LEDBA62X62M (Area Light, Blue, 62 x 62 mm)
  - SAG** = LEDGA62X62M (Area Light, Green, 62 x 62 mm)
  - SAI** = LEDIA62X62M (Area Light, Infrared, 62 x 62 mm)
  - BR** = LEDRB70X70M (Backlight, Red, 70 x 70 mm)
  - BI** = LEDIB70X70M (Backlight, Infrared, 70 x 70 mm)
  - LBR** = LEDRB85X220M (Backlight, Red, 85 x 220 mm)
  - LBI** = LEDIB85X220M (Backlight, Infrared, 85 x 220 mm)

### P4 EDGE Basic Kits and Sensors



EDGE Model Number	EDGE 1.3 Model Number	Description
P4ERK06	P4E1.3RK06	Kit: Right-Angle Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide
P4ERK23	P4E1.3RK23	Kit: Right-Angle Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide
P4ERK32	P4E1.3RK32	Kit: Right-Angle Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide
P4EIK06	P4E1.3IK06	Kit: In-Line Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide
P4EIK23	P4E1.3IK23	Kit: In-Line Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide
P4EIK32	P4E1.3IK32	Kit: In-Line Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide
P4ER	P4E1.3R	Right-Angle Sensor—Includes Bracket and CD-ROM
P4EI	P4E1.3I	In-Line Sensor—Includes Bracket and CD-ROM

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