



**PresencePLUS<sup>®</sup>**

## Color vision sensors

- **Simple user interface**
  - Point and Click GUI
  - Common to all *PresencePLUS* sensors
- **Easy to set up and operate**
  - Compact two-piece or economical one-piece design
  - 10/100 Ethernet and serial communications
  - Direct connectivity to EtherNet/IP and Modbus TCP industrial networks
  - ActiveX utilities for exporting inspections, images and results
  - Configurable discrete I/O
- **Wide selection of lighting**
  - Maintenance free, long life, multiple configurations
  - IP68 versions, Nickel plated or Stainless steel
  - High density LED lighting with a choice of colors
- **Color vision that fits your machinery**

Choose between the one-piece *PresencePLUS* P4 COLOR or the more compact *PresencePLUS* Pro COLOR sensor with a separate DIN-mountable controller. Pro cameras are available in IP68-rated stainless steel or nickel-plated aluminum for rugged industrial and washdown environments.
- **Incredible features for easy operation**
  - Includes three powerful tools for analyzing color:
    - Color Match:** Inspects for matching hue and intensity
    - Average Color:** Evaluates or communicates color content values sensed in a selected area
    - Color Blob:** Determines the presence, connectivity, size and location of selected features with one or more colors
  - Available with optional Bar Code Reader (BCR) and Optical Character Reading and Verification (OCR/OCV) tool
  - Features a 752 x 480 pixel resolution color CMOS imager



**BANNER<sup>®</sup>**

more sensors, more solutions

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# Models

## PresencePLUS® Color Vision Sensors



### PROII COLOR Controllers

Models	Add premium tools to model (example, PPROCTL-BC)
 PPROCTL	<b>BC</b> = Bar Code Reader <b>OC</b> = OCR/OCV <b>BCOC</b> = Bar Code Reader and OCR/OCV


### Pro COLOR Cameras 752 x 480 resolution

Models	Ring Light	Window	Housing
 PPROCAMC	—	—	Black Anodized Aluminum
 PPROCAMCSC-G PPROCAMCSC-P PPROCAMCSSC-G PPROCAMCSSC-P	Lens Cover (no light)	Glass	Nickel-plated Aluminum
		Plastic	Stainless Steel
		Glass	
		Plastic	
 PPROCAMCSW-G PPROCAMCSW-P PPROCAMCSSW-G PPROCAMCSSW-P	White	Glass	Nickel-plated Aluminum
		Plastic	Stainless Steel
		Glass	
		Plastic	



### P4 COLOR OMNI 752 x 480 resolution

Models	Housing	Add premium tools to model (example, P4COR-BC)
 P4COR	Right-Angle	<b>BC</b> = Bar Code Reader <b>OC</b> = OCR/OCV <b>BCOC</b> = Bar Code Reader and OCR/OCV
 P4COI	In-Line	


### Pro Cordsets

Models	Description	Style	Length
	Camera to Controller	Straight	2 m
		Right-Angle	
		Straight (High-Flex)	
		Right-Angle (High-Flex)	
		Straight	7 m
		Right-Angle	
		Straight (High-Flex)	
		Right-Angle (High-Flex)	












### Sealed Pro Cordsets

Models	Description	Style	Length	
	PPC13S	Camera to Controller	4 m	
	PPC23S		7 m	
	PKG3M-4	Sealed Ring Light (Nickel-plated)	4 m	
	PKG3M-7		7 m	
	PKG3M-4		Sealed Ring Light (Stainless Steel)	4 m
	PKG3M-7			7 m
	PKG3M-7			7 m

### P4 Cordsets

Models	Length
 P4C06	2 m
P4C23	7 m
P4C32	10 m
P4C50	16 m
P4C75	23 m

### Vision Tools

P4 OMNI	PROII	Icon	Description
•	•		Color Match. Inspects for matching hue and intensity
•	•		Average Color. Tests or communicates color content values sensed in a selected area
•	•		Color Blob. Determines the presence, connectivity, size and location of selected features with one or more colors
•	•		Bar Code. Finds, decodes and grades 2D and 1D linear bar codes
•	•		OCR/OCV. Reads and verifies optical characters
•	•		Gray Scale. Determines the average gray scale value of an area
•	•		Blob. Determines the presence, connectivity and location of selected features
•	•		Edge. Determines the presence, number, classification and location of edges
•	•		Object. Determines the presence, number, classification, size and location of objects
•	•		Pattern Count. Determines the presence, number and location of a pattern(s)
•	•		GEO Count. Locates 360° inspection detail regardless of product orientation

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#### SENSORS



#### SAFETY



#### VISION



#### WIRELESS



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