

PresencePLUS^{p4}

NEW! BCR Vision Sensor

An Easy-to-use, Low-cost Solution for Reading 2D and 1D Bar Codes.



Simple user interface.

- ▶ Proven user interface common to Banner PresencePlus sensors.
- ▶ Intuitive, three-step, "point and click" operation.
- ▶ Built-in "Inspection Wizard".
- ▶ Quick TEACH uses a single image for reference.
- ▶ Select from multiple stored inspection programs.



Easiest sensor to set up and operate.

- ▶ Right-angle or in-line optics.
- ▶ Communications via Ethernet or Serial.
- ▶ Four discrete I/O configurable as NPN or PNP, and for timing and function.
- ▶ All connections via plug-in connectors.
- ▶ 10 to 30V dc operation.

Wide choice of lighting.

- ▶ Sensor mounted ring lights.
- ▶ Area lights for longer distances.
- ▶ Specialty lights for tough to read bar codes.
- ▶ Red, white, blue, green, infrared and fluorescent lighting options.



Standard C-mount lenses.

- ▶ With or without focus locking.
- ▶ High performance and megapixel 2/3" format models for higher resolution.



A Complete Bar Code Solution Including Sensor, Lens and Lighting for Only \$1995.

- ▶ Advanced 2D and 1D capabilities:
 - ▶ Data Matrix (ECC200)
 - ▶ PDF 417 (in development)
 - ▶ Linear Codes
 - Code 39
 - Interleaved 2 of 5
 - Code 128
 - EAN-8
 - Codabar
 - EAN-13 (Supports UPC-A)
- ▶ Industry standard bar code metrics and grading.
- ▶ Live video image without a pc.
- ▶ Industrial protocols supported via Ethernet or Serial connection.
- ▶ Remote TEACH allows simple push-button inspection changeovers on-the-line without a PC.
- ▶ Choose right-angle or in-line optics with a wide variety of lighting and lensing options.
- ▶ Learn more about Bar Code Sensing Technology at www.bannerengineering.com/training.



www.bannerengineering.com/p4bcr

1.866.816.5180


bannerengineering.com



more sensors, more solutions

PresencePLUS® P4 BCR Solution Kits

Solution Kits include sensor, bracket, cordset, lens, light, PC interface cable, CD-ROM and Quickstart Guide. Partial listing of kits below; see Model Key to order other kits.

		Model Number Right-Angle Sensor	Model Number In-Line Sensor	Sensor Cordset*	C-Mount Lens	Light**	PC Interface Cable, Sensor to PC †
		P4BRK0608CSRRE	P4BIK0608CSRRE	2 m	8 mm	Red	Cat5e 2.1 m Crossover RJ45 Ethernet
		P4BRK0612CSRRE	P4BIK0612CSRRE		12 mm	62 x 62 mm Ring Light	
		P4BRK0616CSRRE	P4BIK0616CSRRE		16 mm		
		P4BRK0608CLRRE	P4BIK0608CLRRE		8 mm	Red	
		P4BRK0612CLRRE	P4BIK0612CLRRE		12 mm	80 x 80 mm Ring Light	
		P4BRK0616CLRRE	P4BIK0616CLRRE		16 mm		
		P4BRK0608CARE	P4BIK0608CARE		8 mm	Red	
		P4BRK0612CARE	P4BIK0612CARE		12 mm	80 x 80 mm Area Light	
		P4BRK0616CARE	P4BIK0616CARE		16 mm		

* 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 BCR Solution Kit Model Key

Sensor	Cordset Cable Length	Lens*	Light	Controller to PC Interface
P4BRK	06	08C	SRR	E
Sensor	Cable Length	Lens	Lights	Interface
P4BRK = Right-Angle Kit	06 = 2 meters	08C = LCF08C (Lens 8 mm with LEK5 C- to CS-mount adapter)		E = Ethernet STPX07 Cordset Cat5e Crossover Shielded RJ45 2.1 m to PC Ethernet Port
P4BIK = In-Line Kit	23 = 7 meters	12C = LCF12C (Lens 12 mm with LEK5 C- to CS-mount adapter)		
	32 = 10 meters	16C = LCF16C (Lens 16 mm with LEK5 C- to CS-mount adapter)		

Lights

SRR = LEDRR62X62M (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)

Basic P4 BCR Sensor Kits and Sensors

Model Number	Description
P4BRK06	Kit: Right-Angle Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide
P4BRK23	Kit: Right-Angle Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide
P4BRK32	Kit: Right-Angle Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide
P4BIK06	Kit: In-Line Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide
P4BIK23	Kit: In-Line Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide
P4BIK32	Kit: In-Line Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide
P4BR	Right-Angle Sensor—Includes Bracket and CD-ROM
P4BI	In-Line Sensor—Includes Bracket and CD-ROM



Complete Vision Catalog

Detailed information and Banner's full line of vision products. Request P/N 72970 or download at bannerengineering.com



www.bannerengineering.com/p4bcr

PresencePLUS®: A complete offering of vision sensing products

Pro
Ten full-function vision tools.

P4 GEO & GEO 1.3
360° fixture-free inspection

P4 EDGE & EDGE 1.3
High-speed edge sensing and measurement.

P4 BCR
Fully integrated 2D and 1D bar code reader.

Lighting
Full selection of basic and specialty lights.

Lenses
Standard, high-performance and megapixel C-mount lenses.

Accessories
Monitors, brackets, cables, enclosures and more.

