

PresencePLUS^{p4}

NEW! BCR Vision Sensor

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



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.



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.



bannerengineering.com



more sensors, more solutions

www.bannerengineering.com/p4bcr

1.866.816.5180

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 † |
|------------------------------------|--------------------------------|--------------------|-----------------|--------------------------|---|
| P4BCRK0608CSRRE | P4BCIK0608CSRRE | 2 m | 8 mm | Red | Cat5e 2.1 m Crossover RJ45 Ethernet |
| P4BCRK0612CSRRE | P4BCIK0612CSRRE | | 12 mm | 62 x 62 mm Ring Light | |
| P4BCRK0616CSRRE | P4BCIK0616CSRRE | | 16 mm | | |
| P4BCRK0608CLRRE | P4BCIK0608CLRRE | | 8 mm | Red | |
| P4BCRK0612CLRRE | P4BCIK0612CLRRE | | 12 mm | 80 x 80 mm Ring Light | |
| P4BCRK0616CLRRE | P4BCIK0616CLRRE | | 16 mm | | |
| P4BCRK0608CARE | P4BCIK0608CARE | | 8 mm | Red | |
| P4BCRK0612CARE | P4BCIK0612CARE | | 12 mm | 80 x 80 mm Area Light | |
| P4BCRK0616CARE | P4BCIK0616CARE | | 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 |
|---------------------------------|-------------------------|---|---|--|
| P4BCRK | 06 | 08C | SRR | E |
| Sensor | Cable Length | Lens | Lights | Interface |
| P4BCRK = Right-Angle Kit | 06 = 2 meters | 08C = LCF08C (Lens 8 mm with LEK5 C- to CS-mount adapter) | SRR = LEDRR62X62M (Ring Light, Red, 62 x 62 mm) | E = Ethernet STPX07 Cordset Cat5e Crossover Shielded RJ45 2.1 m to PC Ethernet Port |
| P4CBIK = In-Line Kit | 23 = 7 meters | 12C = LCF12C (Lens 12 mm with LEK5 C- to CS-mount adapter) | SRW = LEDWR62X62M (Ring Light, White, 62 x 62 mm) | |
| | 32 = 10 meters | 16C = LCF16C (Lens 16 mm with LEK5 C- to CS-mount adapter) | SRB = LEDBR62X62M (Ring Light, Blue, 62 x 62 mm) | |
| | | * CS-mount lenses available Fall 2005. | 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 |
|--------------|---|
| P4BCRK06 | Kit: Right-Angle Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide |
| P4BCRK23 | Kit: Right-Angle Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide |
| P4BCRK32 | Kit: Right-Angle Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide |
| P4BCIK06 | Kit: In-Line Sensor, Bracket, 2 m Cordset, CD-ROM and Quickstart Guide |
| P4BCIK23 | Kit: In-Line Sensor, Bracket, 7 m Cordset, CD-ROM and Quickstart Guide |
| P4BCIK32 | Kit: In-Line Sensor, Bracket, 10 m Cordset, CD-ROM and Quickstart Guide |
| P4BCR | Right-Angle Sensor—Includes Bracket and CD-ROM |
| P4BCI | 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.

