



PresencePLUS P4 OMNI and P4 OMNI 1.3 Vision Sensors

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Model	Description	Price
P4OR	640 X 480 CCD Right Angle Sensor	\$1995
P4OI	640 X 480 CCD In-Line Sensor	\$1995
1.3 models below will be available in January 2006		
P4O1.3R	1280 x 1024 Resolution Right Angle Sensor	\$2995
P4O1.3I	1280 x 1024 Resolution In-Line Sensor	\$2995
All P4 OMNI Kits (with cables, lenses and lights) follow the P4 GEO and P4 GEO 1.3 modeling schemes in the PresencePLUS 2005 Second edition catalog p/n 72970 . Substitute an "O" for the letter "G"		

All Sensors include a bracket, CD-ROM, and Quickstart Guide.

Development Strategy

Offer the industry's best price performance solution for inspecting multiple features by delivering all the P4 vision tools in a single PresencePLUS sensor.

Features

- Includes all vision tools from the P4 GEO, EDGE and AREA sensors: Locate, Geometric Find, Edge, Object, Blob, Average Grayscale, Geometric Count, Measure
- Direct connectivity to Ethernet/IP and Modbus/TCP industrial standard network protocols
- P4 OMNI features a 640 x 480 CCD imager—24 times more pixels than a P4 GEO or a Cognex Checker (the same resolution as the PresencePLUS Pro)
- P4 OMNI will perform inspections up to 2000 parts per minute (PPM); P4 OMNI 1.3 will perform inspections up to 1200 PPM
- P4 OMNI 1.3 features a 1280 x 1024 1.3 megapixel resolution imager for inspecting larger areas in more detail
- PresencePLUS wizard-like software; a single PC program configures all Banner vision sensors and features *Quick TEACH* for rapid sensor set-up
- Remote Teach re-configures the P4 OMNI without a PC
- Live video output displays images without a PC
- Test tools drive discrete I/O
- Communications Tools send data over the Ethernet or RS232 Serial outputs
- Standard PresencePLUS P4 I/O—10/100 Ethernet, RS232 Serial, 4 discrete NPN or PNP wires with configurable timing

Applications

- Presence/Absence of features
- Complete Assembly
- Count Features
- Sorting

Links and Sales Tools

Literature

- *Coming Soon*

Software

- PresencePLUS 2.6.0 software and 2005R6C firmware support the P4 OMNI Sensor and are available to download from www.bannerengineering.com: [PresencePLUS Software downloads](#)
- To request a PresencePLUS Vision Sensor Software CD, order p/n 72806

Competition

- DVT Legend 510, 520, 530, 540 . . .
- Cognex Insight 5000 series
- Omron F150, F160
- Keyence CV110