



P4 GEO 1.3 Vision Sensor

- Compact self-contained vision sensor for high-performance inspections – no external controller necessary
- High-resolution sensing (1280 x 1024) 1.3 mega pixel resolution – large field of view pattern matching up to 300 parts per minute
- Two housing options and multiple mounting brackets for easy installation
- Convenient, 12-pin digital I/O terminal block for ensuring smooth integration into the customer's machine control system
- Easy location of inspection details regardless of product rotation; quick set-up
- Simple, remote TEACH capability for quick reconfiguration (product change)
- Separate video output allows direct connection to optional real-time video display without the need for a PC



PresencePLUS[®] P4

**High-resolution inspection
at 1.3 mega pixel resolution!**



▲ Weld Nuts

The *PresencePLUS P4 GEO 1.3* inspects the presence and correct placement of multiple weld nuts on car body panels. A Geometric Find tool compensates for positional variation.



▲ Interior Door Pane

The *PresencePLUS P4 GEO 1.3* inspects for complete assembly of interior vehicle door panels. Multiple Geometric Count tools verify the position and the orientation of different sub assemblies.



▲ Complete Case Inspection

The *PresencePLUS P4 GEO 1.3* verifies the correct assembly of product bottles in a case. The Find Locating tool and Count Inspecting tool recognise patterns in any orientation up to 360°.



GEO Find
locating
tool



GEO Count
inspecting
tool

Powerful GEO Find locating tool and GEO Count inspecting tool that recognize patterns in any orientation – up to a full 360°.



Banner Engineering offers the industry a highly complete and integrated line of photoelectric sensors, ultrasonic sensors, machine safety products, measurement & inspection products and vision sensors.

Banner Engineering is a US based company with subsidiaries around the world for global sales and support.

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