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Presence PLUS[®] P4 GEO Setting Up a P4 GEO **Measurement Inspection**

Purpose:

The P4 GEO can find, measure, and communicate the location of and the distance between patterns in a field of view. The following steps guide the user through a measurement inspection, exporting the value via the Communication Tool, and viewing the measurement text strings on a PC with the HyperTerminal program.

Overview: Inspection Process using P4 Software

Before You Start:

- Install Software
- Confirm PC & Sensor are Communicating
- Fixture Sensor & Target
- Setup the Reference Image

Set Up Create Reference Image

Tools **GEO Count** Measurement **Communication**

Run **Begin Inspection** Process Export the Data

HyperTerminal

Use HyperTerminal to view the communicated text strings

TOOLS >> GEO	COUNT	
Add a	Geometric Co	unt Too

SCREEN	USER ACTION	NOTES
	 In this example, we will measure the distance between two patterns that are the same. After creating a reference image in the Setup screen, go to the Tools screen: Click Geometric Count (not shown) Draw ROI around object Click Apply Click Next 	 Only set the rotation to ±180° if the part can rotate 360°. Minimizing rotation will increase the inspection speed. Default rotation is ±45°; if less rotation tolerance is required, reduce this value to increase the inspection speed. For the pictured inspection, two patterns were found.

More information online at **bannerengineering.com/iknow**





IKNOW Vision Sensor Software Training





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