

# CRIMSON 2 TUTORIAL

TU0027

## Title: Banner Vision Sensor

### DESCRIPTION



Visualize the PresencePLUS sensor image directly on the HMI display. Control your products and easily manipulate your production by loading and saving camera inspection files from the G3's CompactFlash card. The driver also allows parameter reading and writing from the camera for status, count and programming.

### BENEFITS

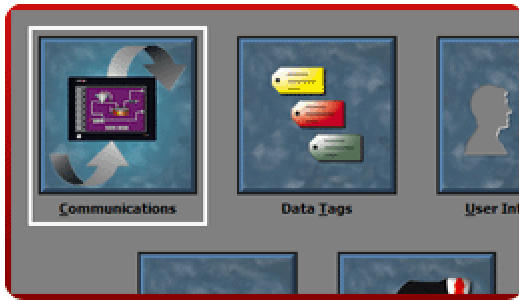
- Provides an easy way to set up the vision sensor and change production batch,
- Visualize and control the image directly from the G3 display.

### EXAMPLE

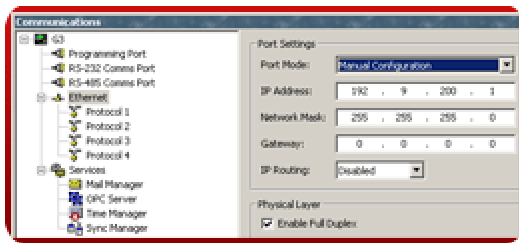
A car equipment manufacturer controls parts quality and validity by reading a 2D barcode present on the side of each part. Changing the production batch is simply done via the touch screen and new barcodes can be added later using the teach functionality.

## VISUALIZING THE IMAGE IN JUST 7 STEPS

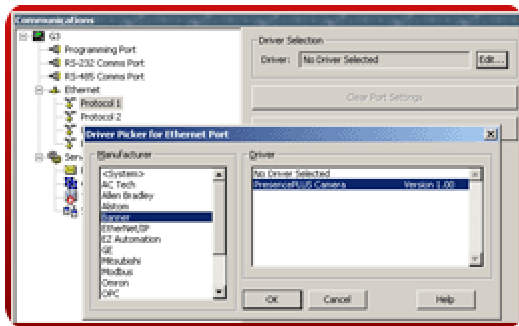
**Step 1** Enter the "Communication" module,



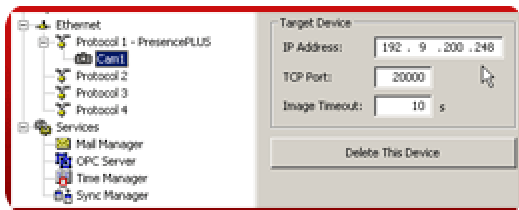
**Step 2** Select the Ethernet port and enter the G3's IP address,



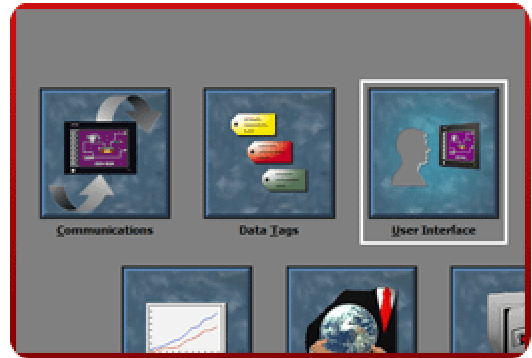
**Step 3** Pick the PresencePLUS driver under the manufacturer Banner,



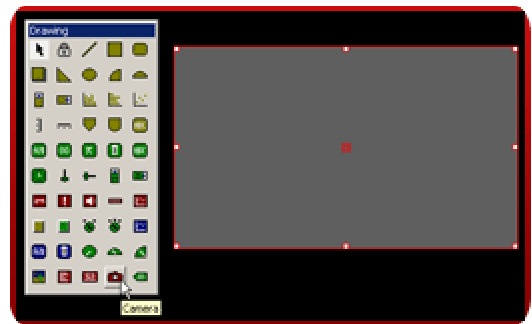
**Step 4** Enter the Camera IP address,



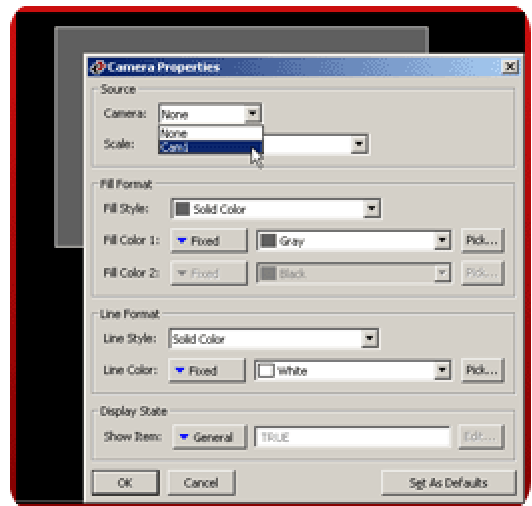
**Step 5** Enter the "User Interface" module,



**Step 6** Insert the Camera primitive,



**Step 7** Select the Camera in the primitive properties.



NOTE: The sensor has to be programmed to output the image constantly.

Vision complete!

Reference: <http://www.redlion.net/g3features/G3 Feature - Vision Sensor.htm>

For more information on Crimson 2.0, refer to the manual.