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I used lab view in high school for

a robotics team and we developed a lot of real time image tracking code that did pretty much that. What we did was create a little system that took an image checked it for pixels that were a specific Hue, Saturation, and Luminosity, than grouped them together by creating a convex hull around said pixels.

[Particle Measurements - NI Vision 2015 Concepts Help ...](#)

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chp 16 found in
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mentation Counting
Particles or Cells Using
IMAQ Vision (Note that
this article is slightly
outdated. There are more
measurements availble
in current versions of NI
Vision.) Morphology
Overview (Again, slightly
outdated.)
[Archived: IMAQ Vision for
LabVIEW User Manual -
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The IMAQ Vision for
LabVIEW User Manual is
intended for engineers and

scientists who have knowledge of the LabVIEW programming environment and need to create machine vision and image processing applications using LabVIEW VIs.

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IMAQ Vision Concepts Manual 1-2 ni.com Properties of a Digitized Image A digitized image has three basic properties: resolution, definition, and number of planes. Image Resolution The spatial resolution of an image is its number of rows and columns of pixels. An image

composed of m columns and n rows has a resolution of $m \times n$.

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properties: resolution, definition, and number of planes. Image Resolution The spatial resolution of an image is its number of rows and columns of pixels. An image composed of m columns and n rows has a resolution of $m \times n$.

Machine Vision - NI Community - National Instruments

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... This section contains tables that list and describe the NI Vision particle measurements. The tables include definitions, symbols, and equations for particle measurements. Note Some

equation symbols may be defined inside tables later in the section.

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About This Manual NI Vision Assistant Tutorial viii ni.com Related Documentation The following list includes additional documents that you might find helpful as you work through this tutorial:

- IMAQ Vision Concepts Manual—Installs with Vision Assistant and contains vision conceptual information. Refer to this document if you are new to Vision.

NI Vision Assistant Tutorial

Product Manuals: NI Vision Concepts Manual. Other Support Options Ask the NI Community.

Collaborate with other users in our discussion forums. Search the NI Community for a solution; Request Support from an Engineer. A valid service agreement may be required, and support options vary by country.

[Archived: NI Vision for LabVIEW User Manual - National ...](#)

OCR provides machine vision functions you can use in an application to perform OCR.

OCR is the process by which the machine vision software reads text and/or characters in an image. More detailed information on these concepts, along with many more, can be found in the Vision Concepts Manual, linked below.

[NI ???????????? - National Instruments](#)

† NI Vision Concepts Manual —Describes the basic concepts of image analysis, image processing, and machine vision. This document also contains in-depth discussions about imaging functions for advanced

users.

**How Does the IMAQ
Centroid VI Work? -
National Instruments**

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for LabVIEW User Manual
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