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## Vision Library or Vision-Specific IDE: Which is right for you?

Commercial machine vision software is currently classified along two lines: the conventional vision library and the vision-specific integrated development environment (IDE). Determining which software is right for your vision project depends upon a variety of factors: ease-of-use, productivity, flexibility, performance, completeness, and maintenance. This white paper uses these factors to contrast the two software development approaches and clearly establish the merits and drawbacks of each.

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## Color Machine Vision

Color machine vision's increasing popularity can be attributed to the prevalence of digital cameras with color image sensors, the computing power and interfaces necessary to handle data from color images, and the fact that more users are becoming familiar with machine vision technology. These factors combine to make color machine vision an area of mounting interest, which despite its challenges, provides unique benefits to manufacturing control and inspection.

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