Cameras Enable Vision System to Better Solve Color Image Processing Applications

PPT Vision introduces twenty-six new Impact M-Series color cameras with dedicated color Impact software tools for sorting, monitoring, and identifying color objects. The Impact M-Series Embedded Vision System is one of the fastest and most robust factory automation camera systems commercially available, and the addition of numerous new color cameras allows the system to solve an even broader range of challenging machine vision applications. Color M-Series camera models range from economical VGA resolution cameras, to 210 frames-per-second high-speed cameras, to a five megapixel high-precision model.
Grayscale cameras, like the Impact A20, solve the majority of machine vision applications. However, sophisticated color cameras and tools are needed to solve numerous critical inspection and guidance operations for industries ranging from food products to transportation equipment. Color Impact M-Series cameras can be used to detect food spoilage and determine the fat content in meat. Other applications solved with PPT IMPACT color vision tools include sorting and identifying pharmaceutical tablets, detecting wire placement and components in electronic products, and many additional possibilities.

The IMPACT M-Series Embedded Vision System allows users to perform up to four unique inspections that can be initiated independently—at different times or simultaneously—utilizing a single vision processor. Significant cost savings are achieved by eliminating the need to purchase multiple systems for separate inspection/guidance programs, and the comprehensive system greatly reduces setup and networking time over the traditional use of multiple systems.

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