8-MP Cameras Have GigE Vision Interfaces

JAI has introduced new GigE Vision versions of its 8-megapixel industrial grade CCD camera series. The new AM-800GE (monochrome) and AB-800GE (color) are built around the Kodak KAI-08050 quad-tap sensor, providing a combination of resolution, image fidelity, and high frame rates. The cameras deliver full 3296 x 2472 resolution at 10 fps for 8-bit output in monochrome or raw Bayer formats. 10-bit and 12-bit output is also selectable, as are multiple options for in-camera color interpolation, including YUV 4:2:2 packed or 24-bit (8-bits per color) RGB packed formats (AB-800GE only). The new models feature a single GigE Vision interface, providing simple setup and low cost cabling and networking options. The AM-800GE and AB-800GE feature an advanced channel balancing function which continuously adjusts the video levels coming from the quad-tap sensor to ensure uniformity across the image. The cameras feature user configurable AOI scanning (partial scanning), multiple binning modes (AM-800GE only), and a variety of acquisition modes, including continuous, single-frame, and multi-frame capture. The camera features an Automatic Level Control (ALC) capability that integrates auto-shutter, auto-gain, and auto-iris features for maximum exposure control under changing lighting conditions. Image pre-processing features include auto-white balancing, pixel blemish compensation, flat-field compensation, and a 512-point look-up table for gamma customization.

JAI's free SDK and Control Tool software provides easy access to the camera's extensive feature set, as well as a wide range of library functions and samples for quick application development. GigE Vision / GenICam-compliant software tools and libraries from third-party companies are also supported.

JAI
800-445-5444, www.jai.com [1]

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