



RMA ELECTRONICS, INC.

Welcome To Our March Newsletter

Vieworks 2.5 GigE Cameras



Vieworks has recently introduced several camera models with a 2.5 GigE interface. These compact size and low weight camera models are currently being offered in 5, 8, and 12 megapixel resolution choices for both color and monochrome, while utilizing Sony Pregius S IMX547, IMX546, and IMX545 sensors, all with a global shutter.

While providing frame rates comparable to USB 3.0 cameras, 2.5 GigE cameras also provide the traditional benefits of a GigE platform such as cable distances up to 100 meters and greater network stability for multi-camera installations. Vieworks 2.5 GigE cameras can be a cost-effective choice for a wide range of applications.

Vieworks 2.5 GigE Cameras

Visible-SWIR Lenses



SWIR imaging and more recently Visible-SWIR imaging applications are becoming both popular and more suitable for various types of applications in machine vision, medical imaging, inspection, agriculture, and video surveillance. With Visible-SWIR camera manufacturers such as [Emberion](#) offering extended sensitivity range from 400-2000nm, as well as Sony InGaAs sensors such as IMX990 and IMX991 offering 400-1700nm sensitivity, there becomes a need for suitable lenses for these cameras.

Visible-SWIR lenses are optimized to be able to image *inboth* the Visible and SWIR regions while also providing very minimal (if any) focus shift. RMA Electronics offers a variety of choices of lenses for Visible-SWIR (and SWIR) imaging applications from several manufacturers including Kowa, Computar, and Tamron.

Product Details

The Imaging Source Zoom & Auto-Focus Cameras



Imaging Solutions for Applications With Variable Working Distances or Object Sizes

The Z Series optical zoom cameras from The Imaging Source feature an integrated motorized lens for software-controlled adjustment of focal length, aperture, and focus. Available with a selection of highly-sensitive CMOS sensors (global and rolling shutter), The Imaging Source zoom cameras are perfect for applications where variable working distances, object sizes, and lighting conditions are an issue. These cameras are uniquely suited to tasks such as inspection, sorting, process control, and metrology.

The Imaging Source's auto-focus cameras offer increased flexibility over fixed-focus cameras, delivering excellent image quality and optimally sharp images despite fluctuations in working distance. Additional camera features such as binning, windowing and high-speed readout provide increased imaging precision and processing speeds.

Highlighted Features:

- Resolutions: 0.4 MP to 42 MP with highest image quality and high frame rates
- Zoom cameras: 12x, 20x and 30x optical zoom. Integrated motorized lens to control focal length (zoom), aperture, and focus
- Auto-focus cameras: One-push auto-focus produces crisp images despite fluctuations in working distance
- Free SDKs and end-user software: Latest Windows and Linux releases
- Triggers and I/Os: Hardware and software trigger as well as I/Os for demanding machine vision applications
- Warranty: 3-year warranty with continuous support

**Product
Details**

High Speed / Fast Aperture Lenses for Low Light



For many low-light applications - in particular for machine vision and automation, especially for when an additional light source is not possible, fast aperture lenses can provide more brightness for an imaging application and thus making it more possible for inspection or identification, for example. We offer a large variety of fixed focal length, manual iris type lenses with fast apertures (F1.0 and faster) for increased brightness, mostly for C-Mount type but also M42 Mount type.

Product Details

Thank you for being a subscriber to our monthly newsletter.

Upcoming trade show events in the U.S.!

RMA Electronics, Inc. will be participating at the following upcoming trade shows in various exhibitor booths while supporting some of our manufacturers.

SPIE Defense + Commercial Sensing 2025 - Orlando, FL from April 15-17, 2025.

Automate 2025 - Detroit, MI from May 12-15, 2025

Please reach out if you are planning to attend either of these upcoming trade show events, as we would welcome the opportunity to meet up. Thank you.

Sincerely,

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