



# SMART CAMERA PLATFORM



Contrast's VIA smart camera is a powerful vision development platform that eliminates the need for frame grabbers and external hardware. Designed to be fully customizable, from sensor to software, the VIA provides a complete solution for the toughest real-time imaging challenges in a wide range of industries. Applications range from traffic monitoring to subsea inspection to nighttime, full-color surveillance.

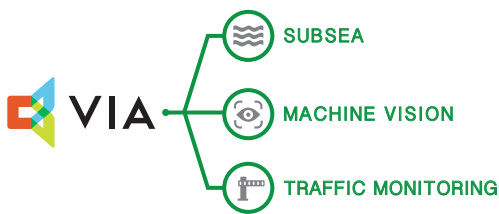


**Real-Time Processing Power Built-in.** The VIA is based on a high-powered configurable FPGA development platform with all the horsepower of external acquisition systems, like frame grabbers. For demanding applications, add your own custom firmware and software to your VIA to make it even more powerful. Contrast has VIA configurations that are in-house and ready to ship.

## SMART CAMERA CUSTOMIZING:

- Target Detection and Acquisition
- Multi-Target Tracking
- Super Resolution
- Real-Time, Temporal Software Controls
- Machine Learning and Classification
- Custom Algorithms
- IRIG Timing
- Digital Stabilization

## SOLUTIONS



## SEE IN THE DARK

**EXTREME LOW-LIGHT**  
Integrate the VIA with an optional extreme low-light sensitive sensor to see FULL COLOR at night or in the deep sea.

- SURVEILLANCE
- DRONE AND ROV
- IMAGE PROCESSING DEVELOPMENT
- ACQUISITION TRACKING AND POINTING
- IMAGE DETECTION
- PROCESS CONTROL

## SPECIFICATIONS

*Specifications are subject to change.*

Resolution	Sensor Dependent
Output	Gigabit Ethernet, USB 3.0 Host, Mini Display Port
Power Supply	12V, 24V, Power over Ethernet (PoE)
Power Consumption	8W
Mechanical	3.1in W x 2.8in H x 4.9in L (does not include lens)
Weight	1lb

## READILY AVAILABLE VIA PLATFORMS:

- 20MP Sensor, Rolling Shutter, NIR Enhanced
- 18MP Sensor, Rolling Shutter
- 2+MP Sensor, Global Shutter
- 1+MP Sensor, Rolling Shutter, **0.5mLux, Full Color**



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