



DEVELOPMENT PLATFORM CAMERA

Contrast's VIA 4K camera is a powerful vision development platform that eliminates the need for frame grabbers and external hardware. Designed to be fully customizable, the VIA provides a complete solution for the toughest real-time imaging challenges for a wide range of industries.



Brave processing power. The VIA camera utilizes Contrast's Elan processing engine. Elan is a high-powered, configurable FPGA development platform with all the capabilities of external acquisition systems such as frame grabbers, built right in. Contrast's Elan engine was designed with unparalleled software, firmware and flexibility that will revolutionize real-time image processing.

- ON SEMI® AR1820, 4K CINEMA @ 30FPS
- XILINX® ZYNQ® MPSOC FPGA PLATFORM
- DDR4 AND QUAD SPI FLASH ONBOARD
- SIMPLE API AND LINUX BSP
- MULTI-CAMERA MANAGEMENT SUITE



Xilinx® Zynq® and ON Semiconductor® are registered trademarks.

SOLUTIONS

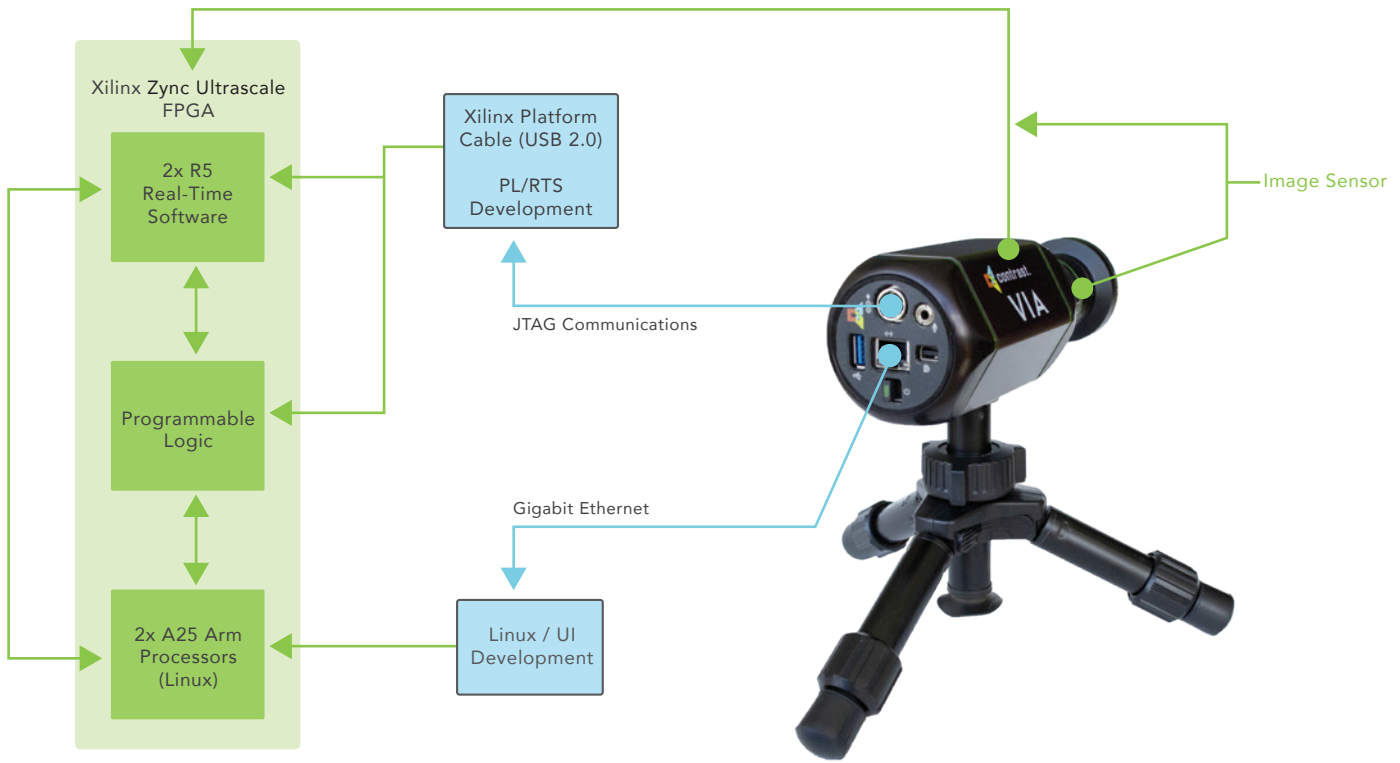


- TRAFFIC MONITORING
- MACHINE VISION
- REMOTE SENSING

- PROCESS CONTROL
- DRONE AND ROV
- INSPECTION
- REAL ESTATE
- HIGH-SPEED IMAGING

- SURVEILLANCE
- IMAGE DETECTION
- METROLOGY
- MEDICAL
- COMMERCIAL

- PHARMACEUTICAL
- FOOD AND BEVERAGE
- IMAGE PROCESSING DEVELOPMENT
- ACQUISITION TRACKING AND POINTING



SOFTWARE

- Web browser-based camera setup
- Ability to define and record camera presets
- Auto-discovery of cameras on network
- Simple Application Programming Interface (API)
- Linux Board Support Package (BSP)
- Multi-camera management network suite
- Live streaming via Gigabit Ethernet or Display Port



SPECIFICATIONS

Specifications are subject to change.

Active Resolution	4912 x 3684 (4K Cinema Resolution)	Power Consumption	5-20W
Resolution	4K24, 4K30, 1080p30, 1080p60, 1080p120, 720p60, 720p120, 720p240	Mechanical	2.5H x 4.6L x 2.8W inches (does not include lens)
Lens Mount	C-Mount	Weight	11b
Output	Gigabit Ethernet, USB 3.0 Host, Mini Display Port	Interface	Browser based GUI
Power Supply	12V, 24V, Power over Ethernet (PoE)	Software	Software Development Kit (SDK) allows for customization