

KAYA INSTRUMENTS ANNOUNCES
JETCAM
NEW GENERATION OF CAMERAS

**Key Features:**

- 16 Megapixel to 300 + fps
- 40 Gbps fiber optic interface
- 25 Gbps CoaXPress
- Up to 10 km cable length
- 3G SDI output for local monitor
- Nikon F mount with integrated lens control
- B4 2/3" mount with integrated lens control
- Compatible with KAYA Vision Point™ SDK
- Compatible with KAYA Komodo™ Frame Grabbers
- Customization as per user requirements

Applications:

- High speed machine vision
- Motion analysis
- Broadcast
- Traffic control
- Industrial inspection markets

JetCam 160 High Speed POV Camera

Innovative Approach

JetCam 160 is high speed low-cost global shutter CMOS camera with Fiber or CoaXPress interfaces which supports 16 Megapixels (4704 x 3424) high quality video at rates to 300+fps.

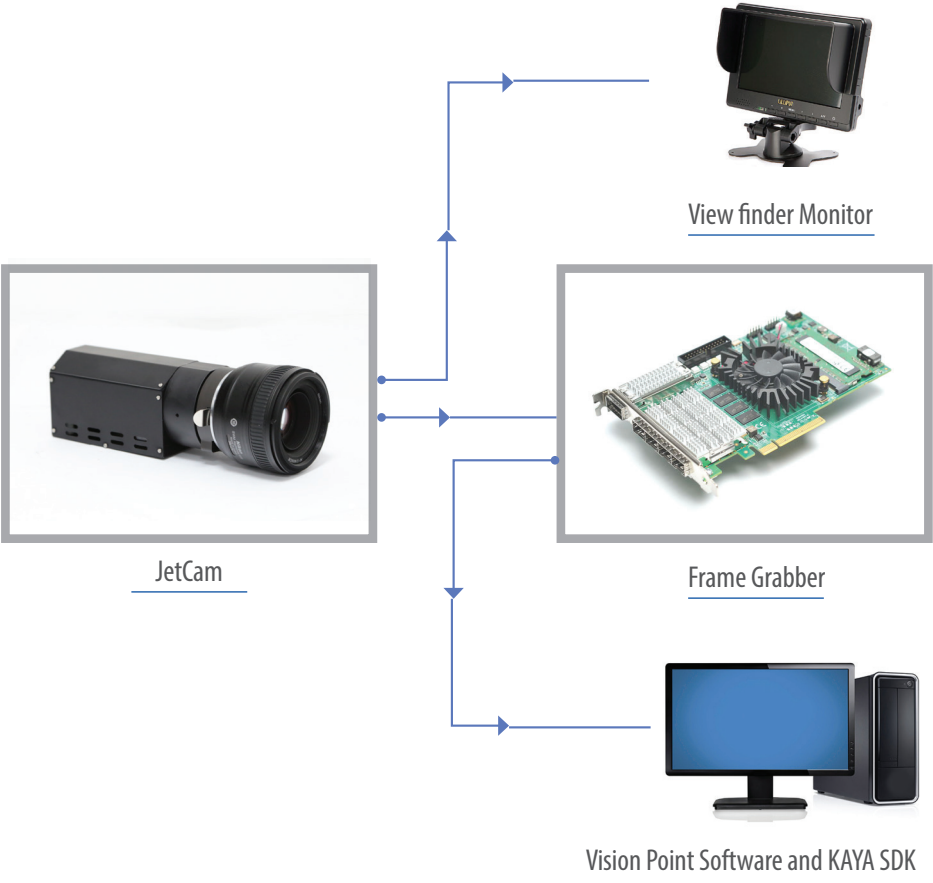
Intelligent Design

Camera incorporates 10μm global shutter sensor and a direct lens control without need of external devices. With compact outline and low power design this camera can be fitted into tight spaces. The 3G SDI output enables connection of local monitor as viewfinder or an installation aid.

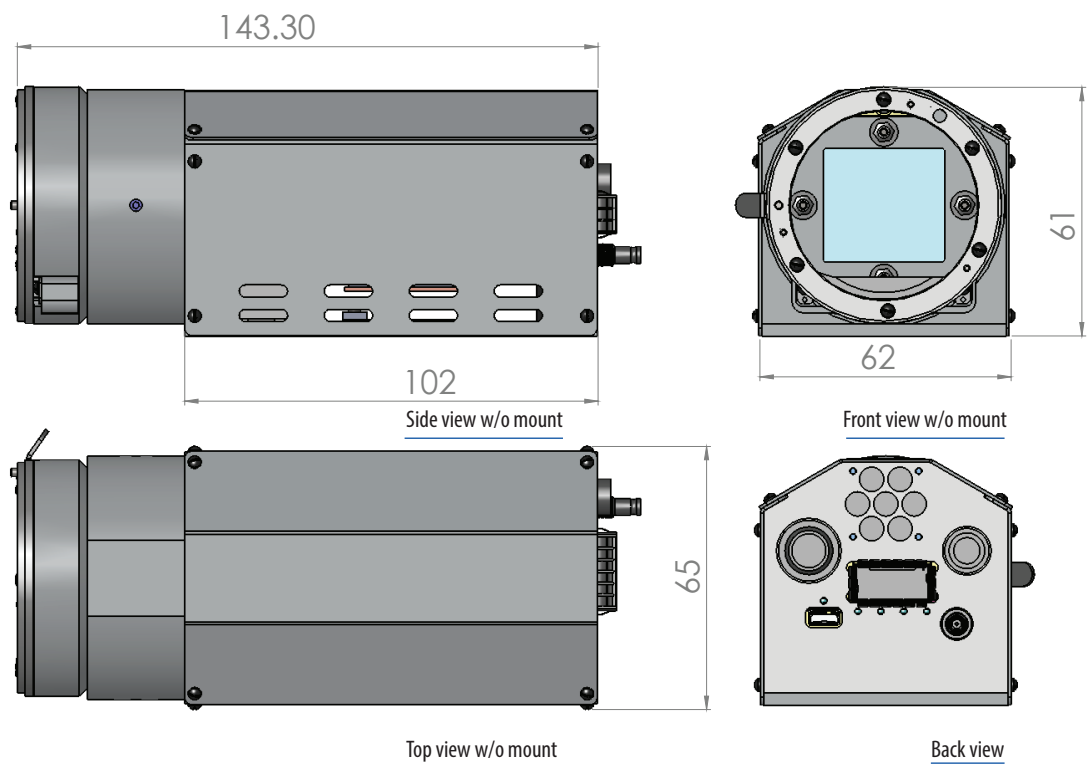


Technical Data (More detailed specifications are available on request)

Pixel size	3.9 μm 5T shutter pixel with CDS
Resolution	16 Mpix 4704 (H) x 3424 (V)
Sensor size	4/3"
Sensor	LUX160
Video output	Fiber optics up to 40 Gbps, CoaXPress up to 25 Gbps, CLHS up to 40 Gbps, 10GiGE up to 10Gbps
Nominal Frame Rate	300 Frames/s @ full resolution (16 Mpix) 500 Fps with 2160 rows (4K format)
Maximum Frame rate	350+ Frames/s @ full resolution (16 Mpix)
Electronic shutter	Global shutter
Image acquisition	Continuous / Triggered
Output resolution	8 or 10 bit
Monochrome/ color	Monochrome / Color
Power input	12 VDC (optional 24 VDC)
Weight (without lens)	1260g
Power consumption	<12W
Operating temperature	-10 C to 50 C (Optional -40 to 70 C)
Lens mount	F-Mount, B4, C-mount
On camera processing	Defect pixel correction
	White balance
	ROI
	Image flip
	Frame counter
	Flat field correction
	LUT
	Gain (Analog / Digital)
	Auto black level
	Nonvolatile storage
Programmable I/O	2x RS232 (RS485 optional)
Lens control	Nikon lens control
	Fujinon lens control
	Custom lens control through RS232/RS485
Complimentary video output	3G SDI



Camera Body Dimensions



Compatibility

Supported vision standart



Supported operating systems

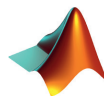


Windows



Linux

Supported vision libraries



Compatible with most popular machine vision libraries

KAYA Instrument strives to create and maintain compatibility and interfaces for the most common and advanced vision image-processing libraries and applications. Major support is available for **MVTec Halcon**, **National Instruments LabVIEW** and **MathWorks MATLAB**. Please check our KAYA website for an up-to-date list of other supported libraries and software packages.

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