



JAI CAMERA SERIES OVERVIEW



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See the possibilities

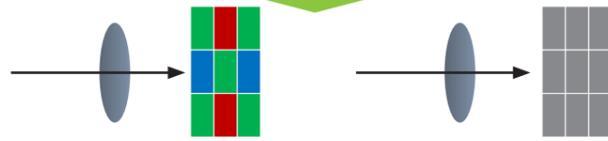
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February 2024 - v1

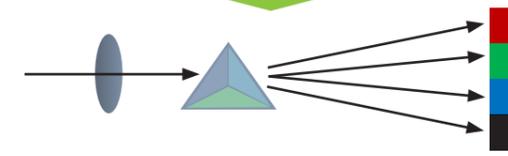


Single-Sensor

Multi-Sensor



Single-Sensor cameras with exceptional price, performance and reliability.



Multi-Sensor prism-based cameras with unique technology, functions and reliability.

Go-X Series

VIS



Compact, affordable CMOS area scan cameras with six-year warranty, unrivalled shock and vibration standards and market-leading dust protection.

- 66 models.
- 2.3 to 24.5 MP. Monochrome / Bayer
- Up to 162 frames/s (2.3MP).
- 5GigE Vision, USB3 Vision and CoaXPress.
- 6-year warranty

Go Series

VIS UV



JAI's original small CMOS area scan cameras including polarization and UV sensitive models.

- 41 models.
- 2.35 to 8.1 MP. Monochrome / Bayer
- Up to 159 frame/s (2.35MP).
- GigE Vision, USB3 Vision and Camera Link.

Spark Series

VIS



Advanced CMOS area scan cameras delivering high resolution, high frame rates, and high image quality.

- 32 models.
- 5 to 45 MP. Monochrome / Bayer
- Up to 253 frame/s (5 MP.)
- GigE Vision, USB3 Vision, CoaXPress and Camera Link.

Apex Series

VIS



Multi-sensor CMOS area scan cameras providing better color fidelity and spatial precision than traditional Bayer color cameras.

- Seven models.
- 3-CMOS, prism based.
- 3 x 1.6 or 3 x 3.2 MP.
- Up to 79 frames/s (1.6 MP).
- 10GigE Vision, USB3 Vision and Camera Link.

Apex Medical

VIS



Multi-sensor CMOS area scan cameras with the ultimate combination of color precision and dust-free image quality for medical applications.

- Five models.
- 3-CMOS, prism-based.
- 3 x 1.6 or 3 x 3.2 MP.
- Up to 79 frames/s (1.6MP).
- USB3 Vision.

Fusion Series (Multispectral)

VIS NIR



Multi-sensor CMOS area scan cameras with unique capabilities for multispectral imaging.

- Four models.
- 2- & 3-CMOS, prism-based.
- 2 x 1.6 or 2 x 3.2 MP (Color/NIR).
- 3 x 1.6 MP (Mono/NIR/NIR).
- 3 x 3.2 MP (Color/NIR/NIR).
- 10GigE Vision.

Fusion Flex-Eye (Multispectral)

VIS NIR



Waveband customization based on four Fusion Base Models (1.6 or 3.2 MP) with two or three CMOS sensors.

- Four models.
- 2- & 3-CMOS, prism-based.
- Custom-specified prisms, filtering specific wavebands.
- Wavebands can be customized as narrow as 25 nm, located exactly where needed in the 405-1000 nm range.



Sweep Series

VIS



High performance monochrome and color trilinear CMOS line scan cameras for a wide range of applications.

- Monochrome models with 4096 or 8192 pixels in a line.
- Scan rates up to 200,000 lines/s (Monochrome model).
- Trilinear color models with 3 x 4096 pixels in lines.
- 10GigE Vision and Camera Link.



Sweep+ Series (Multispectral)

VIS NIR SWIR



High performance prism-based color line scan cameras combining R-G-B color precision with near-infrared (NIR) or short - wave infrared (SWIR) imaging.

- 16 models.
- 3-CMOS & 4-CMOS, prism-based.
- 2048, 4096 or 8192 px resolution for each sensor.
- 3-CMOS. Color (R-G-B).
- 4-CMOS. Multispectral (R-G-B + NIR).
- 3-CMOS/1-InGaAs. Multispectral (R-G-B + SWIR).
- 10GigE Vision and Camera Link.

Wave Series

SWIR



Line scan cameras with two InGaAs sensors making them capable of delivering dual-band imaging in the short - wave infrared (SWIR) light spectrum.

- One model.
- 2-InGaAs sensors, prism-based.
- 2 x 1024 px resolution in lines.
- Captures two separate images in the SWIR light spectrum (900 to 1400 nm and 1400 to 1700 nm).
- Camera Link.

UV = Detection of ultra violet light

VIS = Detection of visible light

NIR = Detection of near-infrared light

SWIR = Detection of short wave-infrared light

Area Scan

Line Scan