

JAI Fusion, 1600D-10GE, 1/2.9" 1.6MP, GigE Multispectral Camera



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MRP ₹2,63,730

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Product Downloads

Multispectral	Spectrum:
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General

Multispectral Camera	Type:
FS-1600D-10GE	Model Number:
JAI	Manufacturer:
Fusion	Camera Series:

Physical & Mechanical Properties

62 x62 x86.5	Dimensions (mm):
270	Weight (g):
Full	Housing:

Sensor

1/2.9"	Sensor Format:
1.60	Resolution (Megapixels):
226.00	Frame Rate (fps):
1,440 x 1,080	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
5.0 x 3.7	Sensing Area, H x V (mm):
Sony IMX273	Imaging Sensor:
2 CMOS (Vis/NIR)	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
GigE Vision	Machine Vision Standard:

Electrical

10.4	Power Consumption (W):
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Hardware & Interface Connectivity

GigE (POE)	Interface:
RJ45 with Screw Locks	Connector:
Power Supply Required and Sold Separately: USA: #29-172 Europe: #29-172 Japan: #29-172 Korea: Not Available China: Not Available	Power Supply:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
12-pin Hirose	GPIO Connector Type:

Threading & Mounting

C-Mount	Mount:
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Environmental & Durability Factors

-5 to +45	Operating Temperature (°C):
-25 to +60	Storage Temperature (°C):

Regulatory Compliance

View	Certificate of Conformance:
Japan	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

- Multispectral Camera Designed with Multiple Sensors
- Designed for 400 – 670nm and 740 – 1000nm Wavelengths
- Backwards Compatible 10GigE Interface

JAI® Fusion Series Cameras are designed to image multiple wavebands at once, allowing for a more flexible imaging experience. Utilizing a prism as the camera input, the incoming light is separated and directed to the multiple sensors with precision per-pixel alignment, providing excellent resolution of the individual wavebands. With a backwards compatible 10GigE interface, these cameras are easily integrated into existing imaging systems. JAI® Fusion Series Cameras have effective wavelength ranges of 400 to 670nm and 740 to 1000nm. These cameras are ideal for applications including surface inspection, NIR fluorescence, life sciences, and intelligent farming.

Note: These cameras require prism-corrected imaging lenses; alternatively, standard imaging lenses with zero rear protrusion can be used with reduced performance. Downloadable software is [available](#) online.