

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



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1

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£1,808⁰⁰

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Product Downloads

Multispectral	Spectrum:
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General

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

Fusion	
Physical & Mechanical Properties	
62 x62 x86.5	Dimensions (mm):
	Weight (g):
270	
Housing:	
Full	
Sensor	
1/2.9"	Sensor Format:
	Resolution (Megapixels):
1.60	
Frame Rate (fps):	
226.00	
Pixels (H x V):	
1,440 x 1,080	
Pixel Size, H x V (µm):	
3.45 x3.45	
Sensing Area, H x V (mm):	
5.0 x3.7	
Imaging Sensor:	
Sony IMX273	
Type of Sensor:	
2 CMOS (Vis/NIR)	
Shutter Type:	
Global	
Pixel Depth:	
8/10/12 Bit	
Machine Vision Standard:	
GigE Vision	
Electrical	
Power Consumption (W):	
10.4	
Hardware & Interface Connectivity	
Interface:	
GigE (POE)	
Connector:	
RJ45 with Screw Locks	
Power Supply:	
Power Supply Required and Sold Separately. USA: #29-172 Europe: #29-172 Japan: #29-172 Korea: Not Available China: Not Available	
Synchronization:	
Hardware Trigger (GPIO) or Software Trigger	
Interface Port Orientation:	
Back Panel	
GPIO Connector Type:	
12-pin Hirose	
Threading & Mounting	
Mount:	
C-Mount	
Environmental & Durability Factors	
Operating Temperature (°C):	
-5 to +45	
Storage Temperature (°C):	
-25 to +60	
Regulatory Compliance	
Certificate of Conformance:	
View	

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.

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