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JAI Go, 8105M-5GE-UV , 2/3" 8.1MP, 5GigE UV Camera



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C\$12,908^{.00}

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Product Downloads

UV	Spectrum:
General	
UV Camera	Type:
GO-8105M-5GE-UV	Model Number:
JAI	Manufacturer:
Go	Camera Series:

Physical & Mechanical Properties

29 x 29 x 68	Dimensions (mm):
94	Weight (g):
Full	Housing:

Sensor

2/3"	Sensor Format:
8.10	Resolution (Megapixels):
66.00	Frame Rate (fps):
2,856 x 2,848	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
7.8 x 7.8	Sensing Area, H x V (mm):
Sony IMX487-AAMJ	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
GigE Vision	Machine Vision Standard:

Electrical

5.4	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: #29-171 Europe: #29-171 Japan: #29-171 Korea: Not Available China: Not Available	Power Supply:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
6-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:
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Product Details

- >40% Quantum Efficiency at 280 – 400nm UV Wavelengths
 - Up to 8.1MP Resolution
 - Sony Pregius Sensor, With Xscale Functionality
- JAI® Go Series UV Cameras are designed for high resolution output in UV wavelengths ranging from 280 – 400nm. Utilizing the Sony Pregius S sensor’s Xscale function, sub-pixel rescaling of outputs is possible allowing for easier

integration into existing systems. With a small form factor, 100g weight, and shock and vibration ratings of 80G/10G, these cameras are highly reliable in rugged environments. JAI® Go Series UV Cameras feature >25% quantum efficiency at 200nm which increases to >40% in its 280 – 400nm designed wavelength range. These cameras are ideal for applications including machine vision, inspection, video microscopy, and UV spectroscopy.

Note: Downloadable software is [available](#) online.

Designed for excellent performance in the UV spectrum, JAI GO UV Cameras leverage the Sony IMX487-AAMJ sensor and 5GigE interface to deliver high-resolution performance for demanding applications. With global shutter technology and progressive scan output, these cameras capture sharp UV images even in fast-moving environments. Compact and rugged, with a C-Mount housing and broad operating temperature range, they offer exceptional flexibility for machine vision, UV fluorescence inspection, and spectroscopy setups requiring stable and reliable imaging across the 280–400nm range.

FAQ(s)

 What sensor is used in JAI GO UV Cameras?

These cameras utilize the Sony IMX487-AAMJ progressive scan CMOS sensor, optimized for UV imaging performance.

 How are these UV cameras suited for rugged environments?

With a compact form factor, C-Mount design, 94g weight, and shock/vibration ratings of 80G/10G, they are highly reliable even under challenging conditions.

 What applications are best suited for JAI GO UV Cameras?

They are ideal for fluorescence imaging, machine vision, surface inspection, video microscopy, and spectroscopy, which require precise, stable imaging.

 How does global shutter technology benefit UV imaging?

Global shutter ensures accurate capture of fast-moving objects without distortion, which is critical for dynamic inspection and high-speed UV imaging tasks.