

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

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**Spectrum:** UV

## General

<b>Type:</b> UV Camera	<b>Model Number:</b> GO-8105M-5GE-UV
<b>Manufacturer:</b> JAI	<b>Camera Series:</b> Go

## Physical & Mechanical Properties

<b>Dimensions (mm):</b> 29 x 29 x 68	<b>Weight (g):</b> 94
<b>Housing:</b> Full	

## Sensor

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

## Electrical

<b>Power Consumption (W):</b> 5.4	
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## Hardware & Interface Connectivity

<b>Interface:</b> GigE (PoE)	<b>Connector:</b> RJ45 with Screw Locks
<b>Power Supply:</b> Power Supply Required and Sold	<b>Synchronization:</b> Hardware Trigger (GPIO)

	Separately: USA: #29-171 Europe: #29-171 Japan: #29-171 Korea: Not Available China: Not Available	or Software Trigger
<b>Interface Port Orientation:</b>	Back Panel	<b>GPIO Connector Type:</b> 6-pin Hirose
<b>Threading &amp; Mounting</b>		
<b>Mount:</b>	C-Mount	
<b>Environmental &amp; Durability Factors</b>		
<b>Operating Temperature (°C):</b>	-5 to +45	<b>Storage Temperature (°C):</b> -25 to +60
<b>Regulatory Compliance</b>		
<b>Certificate of Conformance:</b>	<a href="#">View</a>	
<b>Country of Origin:</b>	Japan	<b>Imported By:</b> 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

## 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.

## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	Power Supply for JAI Go and Go-X Series Cameras, 6-pin Hirose		#29-171 <span>CLEARANCE</span>	₹9,978 Request Quote	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Tripod Adapter For Go and Go-X Series Models, (20 mm hole spacing)		#29-174	₹3,929 Request Quote	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	JAI 2m Power and GPIO Cable, 6-pin Hirose and Flying Leads		#29-176 <span>CLEARANCE</span>	₹9,978 Request Quote	1 In Stock <input type="text" value="1"/>
<a href="#">MORE+</a>	Heat Sink Set, Go-X Series & GO-8105M-5GE-UV or UV-GL		#29-179	₹20,284 Request Quote	3 In Stock <input type="text" value="1"/>