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# Photometrics Iris 9 PCIe Camera, 1T-01-IRIS-9-PCIE-M-16-C



#90-392 Photometrics Iris 9 PCIe Camera



Stock **#90-392** NEW CONTACT US

⊖ 1 ⊕ €13.500<sup>00</sup>

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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

1T-01-IRIS-9-PCIE-M-16-C **Model Number:**

Teledyne Photometrics **Manufacturer:**

Iris **Camera Series:**

**Note:**  
Includes:  
PCI Express (PCIe) interface card  
PCI Express data cable  
12V/ 5A power supply with international power cord set  
(2) Single-line MMCX trigger cables  
USB memory device containing PVCAM library and drivers  
Quick installation guide

## Physical & Mechanical Properties

78 x 78 x 88 **Dimensions (mm):**

680 **Weight (g):**

Full **Housing:**

## Optical Properties

400 - 1000 **Wavelength Range (nm):**

## Sensor

1.1" **Sensor Format:**

8.70 **Resolution (Megapixels):**

30.00 **Frame Rate (fps):**

2,960 x 2,960 **Pixels (H x V):**

12.58 x 12.58 **Sensing Area, H x V (mm):**

GPixel Gsense 5130 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Rolling **Shutter Type:**

16 bit **Pixel Depth:**

12µs- 10s **Exposure Time:**

78 **Dynamic Range (dB):**

## Hardware & Interface Connectivity

PCIe **Connector:**

GPIO with #90-400 **Power Supply:**

1 configurable input, 3 configurable outputs **GPIOs:**

Hardware Trigger (GPIO) or Software Trigger **Synchronization:**

Back Panel **Interface Port Orientation:**

BNC **GPIO Connector Type:**

## Threading & Mounting

C-Mount **Mount:**

(1) ¼-20 thread per side **Mounting Threads:**

## Environmental & Durability Factors

0 to 30 **Operating Temperature (°C):**

-20 to 60 **Storage Temperature (°C):**

## Regulatory Compliance

[Exempt](#)

**RoHS 2015:**

[View](#)

**Certificate of Conformance:**

[Contains SVHC\(s\)](#)

**Reach 247:**

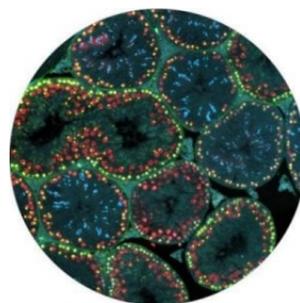
## Product Details

- High Resolution Imaging Even at Low Magnifications
- Small 4.25µm Pixels Across Large Arrays
- Advanced Triggering
- Scientific Cameras for High Sensitivity Microscopy Applications



Teledyne  
Authorized  
Distributor

Teledyne Photometrics Iris PCIe Cameras utilize high-resolution sCMOS sensors with 4.25 µm pixels and large sensor formats. This enables precise imaging at low magnifications by maximizing spatial sampling across wide fields of view without sacrificing sensitivity or frame rate. These cameras also feature programmable scan and readout modes that allow precise control of exposure timing and sensor readout direction. Additionally, their advanced triggering capabilities enable seamless synchronization with external devices for high-speed or time-critical imaging applications. Teledyne Photometrics Iris PCIe Cameras are available in C-Mount and F-Mount configurations and are ideal for light-sheet microscopy, live-cell fluorescence, or imaging large samples at high resolutions. These cameras include Teledyne's proprietary-designed software platforms, Beacon and PVCAM, for optimizing camera performance and ease of system integration.



### High Resolution

The small, 4.25 µm pixels provide highly detailed images across the imaging plane, which allows for the highest resolution when using lower magnification objectives.

### Large Field of View

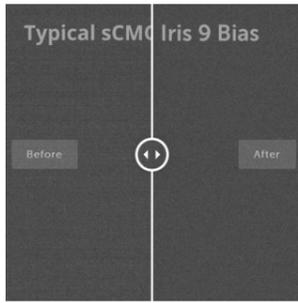
The larger format 25 mm sensor of the Iris 15 is designed to increase throughput, maximize the amount of data captured and take full advantage of new, larger field of view microscopes.

### Compact Form Factor

The Iris 9 (76 x 76 x 88 mm) and Iris 15 (78 x 78 x 108 mm) cameras feature optimized cooling for the size, ideal for integration into new or existing configurations.

### Advanced Triggering

Programmable Scan Mode provides increased control over the rolling shutter exposure and read-out functionality of CMOS sensors by providing access to the sensor timing settings to allow optimization around applications that require control over the line time.



### **Superior Background Quality**

The Iris Family feature Pattern Noise Reduction Technology and Correlated Noise Reduction Technology to ensure that they deliver clean, pattern-free images with minimal pixel defects, delivering improved image quality in low light conditions.

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