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



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⊖ 1 ⊕ €9.500<sup>00</sup>

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#### Product Downloads

Monochrome

Spectrum:

#### General

Monochrome Camera

Type:

01-IRIS-9-USB-M-16-C

Model Number:

Manufacturer:

**Camera Series:**

Iris

**Note:**

Includes:  
 USB 3.0 SuperSpeed A to B 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****Dimensions (mm):**

78 x 78 x 88

**Weight (g):**

680

**Housing:**

Full

**Optical Properties****Wavelength Range (nm):**

400 - 1000

**Sensor****Sensor Format:**

1.1"

**Resolution (Megapixels):**

8.70

**Frame Rate (fps):**

30.00

**Pixels (H x V):**

2,960 x 2,960

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

12.58 x 12.58

**Imaging Sensor:**

GPixel Gsense 5130

**Type of Sensor:**

Progressive Scan CMOS

**Shutter Type:**

Rolling

**Pixel Depth:**

16 bit

**Exposure Time:**

12µs- 10s

**Dynamic Range (dB):**

78

**Hardware & Interface Connectivity****Connector:**

USB 3.0

**Power Supply:**

GPIO with #90-400

**GPIOs:**

1 configurable input, 3 configurable outputs

**Synchronization:**

Hardware Trigger (GPIO) or Software Trigger

**Interface Port Orientation:**

Back Panel

**GPIO Connector Type:**

BNC

**Threading & Mounting****Mount:**

C-Mount

**Mounting Threads:**

(1) ¼-20 thread per side

**Environmental & Durability Factors****Operating Temperature (°C):**

0 to 30

**Storage Temperature (°C):**

-20 to 60

**Regulatory Compliance**

RoHS 2015:

[Exempt](#)

[Certificate of Conformance:](#)

[View](#)

**Reach 247:**

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

## Product Details

- High-speed USB 3.0 Connectivity
- Small 4.25µm Pixels Across Large Arrays
- Scientific Cameras for High Sensitivity Microscopy Applications



Teledyne  
Authorized  
Distributor

Teledyne Photometrics Iris USB 3.0 Cameras deliver a powerful combination of high spatial resolution, exceptional light sensitivity, and USB 3.0 connectivity. These cameras leverage small 4.25µm pixels and low-noise sCMOS sensors to maximize data capture and enhance image quality in demanding environments. Teledyne Photometrics Iris USB 3.0 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.

**Note:** Each camera box includes a USB 3.0 SuperSpeed A-to-B data cable, a 12V/5A power supply with two international power cords, single-line MMCX trigger cables, a USB memory device containing the PVCAM library and drivers, and a quick installation guide.