

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



#90-391 Photometrics Iris 15 PCIe Camera



Stock **#91-453** NEW **1 In Stock**

-

1

+

C\$13,300<sup>00</sup>

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SPECIFICATIONS

General

|                      |               |
|----------------------|---------------|
|                      | Type:         |
| Monochrome Camera    |               |
|                      | Model Number: |
| 01-IRIS-9-USB-M-16-C |               |

|                                                                                                                                                                                                                                          |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Teledyne Photometrics                                                                                                                                                                                                                    | Manufacturer:               |
| Iris                                                                                                                                                                                                                                     | Camera Series:              |
| Includes:<br>USB 3.0 SuperSpeed A to B data cable<br>12V/ 5A power supply with international power cord set<br>(2) Single-line MMCX trigger cables<br>USB memory device containing PvcAM library and drivers<br>Quick installation guide | Note:                       |
| Monochrome                                                                                                                                                                                                                               | Spectrum:                   |
| 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                                                                                                                                                                                                        |                             |
| USB 3.0                                                                                                                                                                                                                                  | 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

|                        |                             |
|------------------------|-----------------------------|
| <a href="#">Exempt</a> | RoHS 2015:                  |
|                        |                             |
| <a href="#">View</a>   | Certificate of Conformance: |

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 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.