

[See all 5 Products in Family](#)

## Photometrics Moment USB 3.2 Camera, 1T-01-MOMENT-MONO



Stock #90-393 **NEW** 1 In Stock

1 ₹4,95,900

**ADD TO CART**

### Volume Pricing

Qty 1+	₹4,95,900 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

Monochrome

Spectrum:

### General

Monochrome Camera

Type:

1T-01-MOMENT-MONO

Model Number:

Teledyne Photometrics

Manufacturer:

Camera Series:  
Moment

Note:  
Includes:  
USB Interface Card  
USB cable  
(2) single-line MMCX trigger cables  
USB memory device containing PVCAM library and drivers  
Quick Installation Guide

## Physical & Mechanical Properties

Dimensions (mm):  
40 x 42 x 50

Weight (g):  
96

Housing:  
Full

## Optical Properties

Wavelength Range (nm):  
300 - 1100

## Sensor

Sensor Format:  
1.1"

Resolution (Megapixels):  
7.00

Frame Rate (fps):  
51.00

Pixels (H x V):  
3,200 x 2,200

Sensing Area, H x V (mm):  
14.4 x 9.9

Imaging Sensor:  
Sony-Based

Type of Sensor:  
Progressive Scan CMOS

Shutter Type:  
Global

Pixel Depth:  
12 bit

Exposure Time:  
12µs- 1s

Dynamic Range (dB):  
72

## Hardware & Interface Connectivity

Connector:  
USB 3.2 Gen 2

Power Supply:  
Power over USB

GPIOs:  
1 configurable input, 1 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) M3 x 0.5 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](#)

---

**Contains SVHC(s)** **Reach 247:**

---

**Country of Origin:**  
Canada

---

**Imported By:**  
Edmund Optics India Private Limited

---

## Product Details

- Ultra-Compact CMOS
- Low Noise, High Speed Imaging
- True Global Shutter
- Scientific Cameras for High Sensitivity Microscopy Applications



Teledyne  
Authorized  
Distributor

Teledyne Photometrics Moment USB 3.2 Cameras measure just 50 × 40 × 42 mm and operate with a single high-speed USB 3.2 Gen 2 cable. This allows seamless integration into space-limited microscope systems and complex multi-device workflows. These cameras feature a low-read-noise CMOS sensor coupled with a true global shutter, achieving high-speed imaging at up to 50 fps with 12-bit depth. Teledyne Photometrics Moment USB 3.2 cameras are ideal for demanding applications such as live-cell imaging, light-sheet microscopy, and super-resolution microscopy. These cameras include Teledyne's proprietary-designed software platforms, Beacon and PVCAM, for optimizing camera performance and ease of system integration.

---