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# M6205, 1.4" Monochrome, Teledyne DALSA Genie Nano 10GigE PoE Camera

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Teledyne DALSA Genie™ Nano 10GigE Cameras - Front



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\$7,938<sup>00</sup>

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Monochrome **Spectrum:**

**General**

Monochrome Camera **Type:**

G6-GM31-M6205 **Model Number:**

**Manufacturer:**

Teledyne DALSA

Camera Series:

Genie Nano-10GigE

## Physical & Mechanical Properties

**Dimensions (mm):**

59 x 59 x 41 (excludes connectors and lens mount)

**Weight (g):**

183

**Housing:**

Full

## Sensor

**Sensor Format:**

1.4"

**Resolution (Megapixels):**

37.70

**Frame Rate (fps):**

18.50

**Pixels (H x V):**

6,144 x 6,144

**Pixel Size, H x V (µm):**

2.50 x 2.50

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

15.35 x 15.36

**Imaging Sensor:**

Teledyne e2v Emerald 36M

**Type of Sensor:**

Progressive Scan CMOS

**Shutter Type:**

Global

**Pixel Depth:**

8/10 bit

**Exposure Time:**

Automatic, Programmable, or via External Trigger

**Dynamic Range (dB):**

62.00

**Machine Vision Standard:**

GigE Vision v2.0

## Electrical

**Power Consumption (W):**

12.5

## Hardware & Interface Connectivity

**Interface:**

10GigE (PoE)

**Connector:**

5GigE, RJ45 with Screw Locks

**Power Supply:**

Power Supply Required and Sold Separately.

USA: [#88-063](#)

Europe: [#88-063](#)

Japan: [#88-063](#)

Korea: Not Available

China: [#88-063](#)

**GPIOs:**

2 opto-isolated input, 3 opto-isolated output

**Synchronization:**

Hardware Trigger (GPIO) or Software Trigger

**Interface Port Orientation:**

Back Panel

**GPIO Connector Type:**

6-pin Hirose (HR10)

## Threading & Mounting

**Mount:**

M42-Mbunt

**Mounting Threads:**

¼-20 with Tripod Mount Adapter [#34-966](#)

## Environmental & Durability Factors

**Operating Temperature (°C):**

-20 to +60

**Storage Temperature (°C):**

-30 to +60

## Regulatory Compliance

[Exempt](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Contains SVHC\(s\)](#) **Reach 235:**

## Product Details

- Up to 67.10 MP Resolution with Framrates up to 18.50FPS
- Supports Trigger-to-Image Reliability (T2IR) Framework
- Compact (44 x 59 x 59mm), M42-Mount, Lightweight, and Robust All Metal Design



Teledyne  
Authorized  
Distributor

Teledyne DALSA Genie™ Nano 10GigE Cameras are designed with the 10GBASE-T (10GigE) Ethernet Interface and can also run at ethernet link speeds of 1, 2.5, or 5GigE. These M42-mount cameras are available with either the Teledyne e2v Emerald 36M sensor featuring a 1.4" format or the Teledyne e2v Emerald 67M sensor which features an APS-C format. Genie™ Nano cameras support Sapera LT SDKs and 3rd Party GenICam compliant SDKs allowing for upgrading current systems without changing application software. Teledyne DALSA Genie™ Nano 10GigE Cameras support the Trigger-to-Image Reliability (T2IR) framework which is a combination of hardware and software features that work together at a system level to help improve the reliability and reduce the downtime of imaging systems. These cameras are ideal for applications involving Electronics Manufacturing Inspection, Intelligent Traffic Systems, and Aerial Imaging.

**Sapera LT** is a free image acquisition and control software development toolkit (SDK) for Teledyne DALSA'S 1D cameras / 2D cameras / 3D Laser Profiler cameras and frame grabbers. Hardware independent in nature, Sapera LT offers a rich development ecosystem for machine vision OEMs and system integrators. Sapera LT supports image acquisition from cameras and frame grabbers based on machine vision standards including GigE Vision™, CameraLink®, CameraLink HS™, CoaXpress®, and USB3 Vision™.