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M4040, 1.1" Monochrome, Teledyne DALSA Genie Nano GigE PoE Camera

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Teledyne DALSA Genie™ Nano GigE Cameras



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⊖ 1 ⊕ £2,652⁰⁰

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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

G3-GM10-M4040 **Model Number:**

Teledyne DALSA
Genie Nano-1GigE

Manufacturer:
Camera Series:

Physical & Mechanical Properties

40.6 x 29.0 x 44.0 (includes connectors and lens mount)

Dimensions (mm):

46

Weight (g):

Full

Housing:

Sensor

200MB

Image Buffer:

1.1"

Sensor Format:

12.40

Resolution (Megapixels):

9.70

Frame Rate (fps):

40.00

Frame Rate - Burst Mode (fps):

4,112 x 3,012

Pixels (H x V):

3.45 x 3.45

Pixel Size, H x V (µm):

14.19 x 10.39

Sensing Area, H x V (mm):

Sony IMX253

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8 bit

Pixel Depth:

Programmable or via external trigger

Exposure Time:

56.4

Dynamic Range (dB):

GigE Vision v1.2

Machine Vision Standard:

Electrical

3.6 - 4.6 (12VDC External Power Supply)
4.0 - 4.9 (PoE)

Power Consumption (W):

Hardware & Interface Connectivity

GigE (PoE)

Interface:

GigE, RJ45 with Screw Locks

Connector:

Power over Ethernet (PoE) or via GPIO

Power Supply:

2 digital input, 2 digital output

GPIOs:

Hardware Trigger (GPIO), Software Trigger, Free-Run, or PTP (IEEE 1588)

Synchronization:

Back Panel

Interface Port Orientation:

10-pin Samtec

GPIO Connector Type:

Threading & Mounting

C-Mount

Mount:

1/4-20 with Tripod Mount Adapter [#34-966](#)

Mounting Threads:

Environmental & Durability Factors

Operating Temperature (°C):

-20 to +60

Storage Temperature (°C):

-40 to +80

Regulatory Compliance

[View](#)

Certificate of Conformance:

Product Details

- TurboDrive™ Technology Achieve Frame Rate up to 800 fps
- Compact, Lightweight, Robust All Metal Body
- Global Electronic Shutter with Exposure Control and Advanced Feature Set



Teledyne
Authorized
Distributor

Teledyne DALSA Genie™ Nano GigE Cameras are available in a range of Sony Pregius and On Semiconductor CMOS sensors. These GigE PoE cameras provide high speed, low noise, and global electronic shutters. The proprietary TurboDrive™ technology allows the Genie™ Nano to exceed standard frame rates, delivering up to 800 fps while retaining full image quality. These cameras come with a host of advanced feature set such as multi ROI windows and Burst Acquisition, which utilizes onboard memory buffer to achieve even faster frame rates.* Teledyne DALSA Genie™ Nano GigE Cameras are packaged in compact and robust all metal housing, making them ideal for electronics inspection, industrial metrology, and Intelligent Traffic Systems (ITS) applications.

Note: Frame rates achievable through TurboDrive™ or Burst Acquisition could vary with factors such as image quality and resolution.

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™.