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M640, 1/4" Monochrome, DALSA Genie Nano GigE PoE Camera

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Teledyne DALSA Genie™ Nano GigE Cameras



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A\$777⁰⁰

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SPECIFICATIONS

Spectrum:
Monochrome

General

Type:
Monochrome Camera

G3-GM10-M0640	Model Number:
Teledyne DALSA	Manufacturer:
Genie Nano-1GigE	Camera Series:

Windows, Linux, or 3rd party GenICam complaint SDK	Software:
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Physical & Mechanical Properties

40.6 x 29.0 x 44.0 (includes connectors and lens mount)	Dimensions (mm):
46	Weight (g):

Full	Housing:
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Sensor

90MB	Image Buffer:
1/4"	Sensor Format:

0.30	Resolution (Megapixels):
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350.00	Frame Rate (fps):
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862.00	Frame Rate - Burst Mode (fps):
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640 x 480	Pixels (H x V):
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4.8 x 4.8	Pixel Size, H x V (μm):
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3.07 x 2.3	Sensing Area, H x V (mm):
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ON Semi PYTHON 300	Imaging Sensor:
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Progressive Scan CMOS	Type of Sensor:
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Global	Shutter Type:
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8/10 bit	Pixel Depth:
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Programmable or via external trigger	Exposure Time:
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62.1	Dynamic Range (dB):
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GigE Vision v1.2	Machine Vision Standard:
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Electrical

3.6 - 4.6 (12VDC External Power Supply) 4.0 - 4.9 (PoE)	Power Consumption (W):
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Hardware & Interface Connectivity

GigE (PoE)	Interface:
GigE, RJ45 with Screw Locks	Connector:

Power over Ethernet (PoE) or via GPIO	Power Supply:
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2 digital input, 2 digital output	GPIOs:
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Hardware Trigger (GPIO), Software Trigger, Free-Run, or PTP (IEEE 1588)	Synchronization:
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Back Panel	Interface Port Orientation:
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10-pin Samtec	GPIO Connector Type:
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2 opto-isolated inputs, 2 opto-insolated outputs	Ports:
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Threading & Mounting

C-Mount	Mount:
1/4-20 with Tripod Mount Adapter	Mounting Threads: #34-966
Environmental & Durability Factors	
-20 to +60	Operating Temperature (°C):
-40 to +80	Storage Temperature (°C):
Regulatory Compliance	
Compliant	REACH 201:
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 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™.