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C8105, Super 35mm Format Color, Teledyne DALSA Genie Nano 5GigE PoE Camera

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Teledyne DALSA Genie™ Nano 5GigE Cameras (Front)



Stock **#28-675** 1 In Stock

-

1

+

\$9,058⁰⁰

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Color		Spectrum:
General		
Color Camera		Type:
G5-GC31-C8105		Model Number:
		Manufacturer:

Teledyne DALSA	
Genie Nano-5GigE	Camera Series:
Physical & Mechanical Properties	
59 x 59 x 41 (includes connectors and lens mount)	Dimensions (mm):
183	Weight (g):
Full	Housing:
Sensor	
450MB	Image Buffer:
Super 35MMFormat	Sensor Format:
44.40	Resolution (Megapixels):
19.30	Frame Rate (fps):
8,192 x 5,420	Pixels (H x V):
3.20 x 3.20	Pixel Size, H x V (µm):
26.21 x 17.34	Sensing Area, H x V (mm):
ON Semi XGS45000	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10 bit	Pixel Depth:
Automatic, Programmable, or via External Trigger	Exposure Time:
66.00	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:
Electrical	
9.4 - 9.6	Power Consumption (W):
Hardware & Interface Connectivity	
5GigE (PoE)	Interface:
5GigE, RJ45 with Screw Locks	Connector:
Power Supply Required and Sold Separately. USA: #88-063 Europe: #88-063 Japan: #88-063 Korea: Not Available China: #88-063	Power Supply:
2 opto-isolated input, 3 opto-isolated output	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
6-pin Hirose (HR10)	GPIO Connector Type:
Threading & Mounting	
M42-Mbunt	Mount:
1/4-20 with Tripod Mount Adapter #34-966	Mounting Threads:
Environmental & Durability Factors	
-20 to +65	Operating Temperature (°C):
	Storage Temperature (°C):

Regulatory Compliance

[Exempt](#)

RoHS 2015:

[View](#)

Certificate of Conformance:

[Contains SVHC\(s\)](#)

Reach 235:

Product Details

- 5GBASE-T (5GigE) Ethernet Interface
- 3.2 to 12.4 Megapixel Sensors
- TurboDrive™ Technology for Data Transfer Speeds up to 985 MB/s
- Compact (32 x 44 x 59mm), Lightweight, and Robust Design



Teledyne DALSA Genie™ Nano 5GigE Cameras are available with a range of SONY Pregius sensors with resolutions from 3.2MP to 12.4MP. The 5GigE Ethernet interface provides data transfer speeds up to 5 times faster than the conventional GigE interface, which when combined with TurboDrive™ technology allows these cameras to achieve frame rates up to 187fps while retaining full image quality. The included Sapera CamExpert software provides a simple image acquisition interface with Sapera LT SDK libraries for OEM and system integration applications. Teledyne DALSA Genie™ Nano 5GigE Cameras are packaged in a compact, lightweight and robust all-metal housing, making them ideal for electronics inspection, industrial automation, and Intelligent Traffic Systems (ITS) applications. These cameras support the AIA GigE Vision Standard to facilitate easy integration into imaging systems.

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™.