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General	
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G6-GC31-C8205

Teledyne DALSA	Manufacturer:
Genie Nano-10GigE	Camera Series:
Physical & Mechanical Properties	
59 x 59 x 41 (excludes connectors and lens mount)	Dimensions (mm):
183	Weight (g):
Full	Housing:
Sensor	
APS-C	Sensor Format:
67.10	Resolution (Megapixels):
13.80	Frame Rate (fps):
8,192 x 8,192	Pixels (H x V):
2.50 x 2.50	Pixel Size, H x V (µm):
20.48 x 20.48	Sensing Area, H x V (mm):
Teledyne e2v Emerald 67M	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10 bit	Pixel Depth:
Automatic, Programmable, or via External Trigger	Exposure Time:
62.00	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:
Electrical	
12.5	Power Consumption (W):
Hardware & Interface Connectivity	
10GigE (PoE)	Interface:
5GigE, RJ45 with Screw Locks	Connector:
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:
¼-20 with Tripod Mount Adapter #34-966	Mounting Threads:
Environmental & Durability Factors	
-20 to +60	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:

View	Certificate of Conformance:
Contains SVHC(s)	Reach 235:

Product Details

- Up to 67.10 MP Resolution with Framerrates up to 18.50FPS
- Supports Trigger-to-Image Reliability (T2IR) Framework
- Compact (44 x59 x59mm), M42-Mbunt, Lightweight, and Robust All Metal Design



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 Sopera LT SDKs and 3rd Party GenICam compliant SDKs allowing fo 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.

Sopera 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, Sopera LT offers a rich development ecosystem for machine vision OEMs and system integrators. Sopera LT supports image acquisition from cameras and frame grabbers based on machine vision standards including GigE Vision™, CameraLink®, CameraLink HS™, CoaXpress®, and USB3 Vision™.