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# M8205, APS-C Monochrome, Teledyne DALSA Genie Nano 10GigE PoE Camera

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Teledyne DALSA Genie™ Nano 10GigE Cameras - Front



Stock **#28-680** **1 In Stock**

-

1

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**\$9,548**<sup>00</sup>

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|-------------------|--|---------------|
| Monochrome        |  | Spectrum:     |
| General           |  |               |
| Monochrome Camera |  | Type:         |
| G6-GM31-M8205     |  | Model Number: |
|                   |  | Manufacturer: |

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Teledyne DALSA                                           |                             |
| 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:                      |
| 1/4-20 with Tripod Mount Adapter <a href="#">#34-966</a> | Mounting Threads:           |
| Environmental & Durability Factors                       |                             |
| -20 to +60                                               | Operating Temperature (°C): |
| -30 to +60                                               | Storage Temperature (°C):   |
| Regulatory Compliance                                    |                             |
| <a href="#">Exempt</a>                                   | RoHS 2015:                  |
| <a href="#">View</a>                                     | Certificate of Conformance: |

## 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 GenlCam 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™.