

# M4040, 1.1" Monochrome, Teledyne Dalsa Genie Nano 5GigE PoE Camera

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Teledyne Dalsa Genie™ Nano 5GigE Power over Ethernet (PoE) Cameras (Front)



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**Video Output:**

5GigE (PoE)

**Type:**

Monochrome Camera

**Manufacturer:**

Teledyne Dalsa

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#34-966</a>                 |
| <b>Image Buffer:</b><br>450MB                                                                      |
| <b>Camera Family:</b><br>Genie Nano-5GigE                                                          |
| <b>Model Number:</b><br>Nano-5G-M4040                                                              |
| <b>Imaging Sensor:</b><br>Sony IMX253                                                              |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                                    |
| <b>Type of Shutter:</b><br>Global                                                                  |
| <b>Camera Sensor Format:</b><br>1.1"                                                               |
| <b>Resolution (MegaPixels):</b><br>12.40                                                           |
| <b>Pixels (H x V):</b><br>4,112 x 3,008                                                            |
| <b>Pixel Size, H x V (µm):</b><br>3.45 x 3.45                                                      |
| <b>Sensing Area, H x V (mm):</b><br>14.19 x 10.38                                                  |
| <b>Frame Rate (fps):</b><br>49.00                                                                  |
| <b>Pixel Depth:</b><br>8 bit                                                                       |
| <b>Exposure Time:</b><br>Automatic, Programmable, or via External Trigger                          |
| <b>Connector:</b><br>5GigE, RJ45 with Screw Locks                                                  |
| <b>Power Supply:</b><br>Power over Ethernet (PoE) or via GPIO                                      |
| <b>Power Consumption (W):</b><br>9.4 - 9.6                                                         |
| <b>GPIOs:</b><br>2 digital input, 3 digital output                                                 |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO), Software Trigger, Free-Run, or PTP (IEEE 1588) |
| <b>Dimensions (mm):</b><br>59 x 44 x 42.6 (includes connectors and lens mount)                     |
| <b>Weight (g):</b><br>124                                                                          |
| <b>Mount:</b><br>C-Mount                                                                           |
| <b>Housing:</b><br>Full                                                                            |
| <b>Interface Port Orientation:</b><br>Back Panel                                                   |
| <b>Dynamic Range (dB):</b><br>76.46                                                                |
| <b>Operating Temperature (°C):</b><br>-20 to +65                                                   |
| <b>Storage Temperature (°C):</b><br>-40 to +80                                                     |
| <b>GPIO Connector Type:</b><br>10-pin Samtec                                                       |
| <b>Machine Vision Standard:</b><br>GigE Vision v2.0                                                |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS:</b><br><a href="#">Compliant</a>                  |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |