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# Allied Vision Manta G-040B Monochrome CMOS PoE Camera

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Allied Vision Manta PoE Cameras



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**Video Output:**  
GigE (PoE)

**Type:**  
Monochrome Camera

|                                                                                            |
|--------------------------------------------------------------------------------------------|
| <b>Manufacturer:</b><br>Allied Vision                                                      |
| <b>Mounting Threads:</b><br>¼-20 with Tripod Mount Adapter <a href="#">#89-996</a>         |
| <b>Image Buffer:</b><br>128MB                                                              |
| <b>Camera Family:</b><br>Manta PoE                                                         |
| <b>Model Number:</b><br>Manta G-040B                                                       |
| <b>Imaging Sensor:</b><br>Sony IMX287                                                      |
| <b>Type of Sensor:</b><br>Progressive Scan CMOS                                            |
| <b>Type of Shutter:</b><br>Global                                                          |
| <b>Camera Sensor Format:</b><br>1/2.9"                                                     |
| <b>Resolution (MegaPixels):</b><br>0.40                                                    |
| <b>Pixels (H x V):</b><br>728 x 544                                                        |
| <b>Pixel Size, H x V (µm):</b><br>6.90 x 6.90                                              |
| <b>Sensing Area, H x V (mm):</b><br>4.96 x 3.72                                            |
| <b>Frame Rate (fps):</b><br>286.30                                                         |
| <b>Pixel Depth:</b><br>8/12 bit                                                            |
| <b>Exposure Time:</b><br>Via Software                                                      |
| <b>Connector:</b><br>GigE, RJ45 with Screw Locks                                           |
| <b>Power Supply:</b><br>Power over Ethernet (PoE), via GPIO, or with external power supply |
| <b>Power Consumption (W):</b><br>2.77 (12VDC External Power Supply)<br>3.23 (PoE)          |
| <b>GPIOs:</b><br>2 opto-isolated inputs, 2 opto-isolated outputs                           |
| <b>Synchronization:</b><br>Hardware Trigger (GPIO) or Software Trigger                     |
| <b>Dimensions (mm):</b><br>71 × 44 × 29 (excludes connectors and lens mount)               |
| <b>Weight (g):</b><br>200                                                                  |
| <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>74.4                                                         |
| <b>Operating Temperature (°C):</b><br>+5 to +45                                            |
| <b>Storage Temperature (°C):</b><br>-10 to +70                                             |
| <b>GPIO Connector Type:</b><br>12-pin Hirose (HR10)                                        |
| <b>Machine Vision Standard:</b><br>GigE Vision v1.2, GenICam SFNC V1.2.1                   |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |

