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# Allied Vision Manta G-040 1/2.9" Monochrome CMOS Camera

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Allied Vision Manta GigE Cameras (Front)



Stock **#11-606** 1 In Stock

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-

1

+

€700<sup>00</sup>

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**Note:** This item requires accessories for use | [Learn More](#)

Product Downloads

Monochrome

Spectrum:

General

Type:

|                   |               |
|-------------------|---------------|
| Monochrome Camera |               |
| Model Number:     | Manta G-040B  |
| Manufacturer:     | Allied Vision |
| Camera Series:    | Manta         |

Physical & Mechanical Properties

|                  |                                                   |
|------------------|---------------------------------------------------|
| Dimensions (mm): | 71 x 44 x 29 (excludes connectors and lens mount) |
| Weight (g):      | 190                                               |
| Housing:         | Full                                              |

Sensor

|                           |                                       |
|---------------------------|---------------------------------------|
| Image Buffer:             | 128MB                                 |
| Sensor Format:            | 1/2.9"                                |
| Resolution (Megapixels):  | 0.40                                  |
| Frame Rate (fps):         | 286.00                                |
| Pixels (H x V):           | 728 x 544                             |
| Pixel Size, H x V (µm):   | 6.9 x 6.9                             |
| Sensing Area, H x V (mm): | 4.96 x 3.72                           |
| Imaging Sensor:           | Sony IMX287                           |
| Type of Sensor:           | Progressive Scan CMOS                 |
| Shutter Type:             | Global                                |
| Pixel Depth:              | 12 bit                                |
| Exposure Time:            | Via Software                          |
| Dynamic Range (dB):       | 74.4                                  |
| Machine Vision Standard:  | GigE Vision v1.2, GenICam SFNC V1.2.1 |

Electrical

|                        |                                    |
|------------------------|------------------------------------|
| Power Consumption (W): | 2.77 (12VDC External Power Supply) |
|------------------------|------------------------------------|

Hardware & Interface Connectivity

|                             |                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface:                  | GigE                                                                                                                                                                              |
| Connector:                  | GigE, RJ45 with Screw Locks                                                                                                                                                       |
| Power Supply:               | Power Supply Required and Sold Separately.<br>USA: <a href="#">#15-281</a><br>Europe: <a href="#">#15-281</a><br>Japan: <a href="#">#15-281</a><br>China: <a href="#">#15-281</a> |
| GPIOs:                      | 2 opto-isolated inputs, 2 opto-isolated outputs                                                                                                                                   |
| Synchronization:            | Hardware Trigger (GPIO) or Software Trigger                                                                                                                                       |
| Interface Port Orientation: | Back Panel                                                                                                                                                                        |
| GPIO Connector Type:        | 12-pin Hirose (HR10)                                                                                                                                                              |

Threading & Mounting

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Mount:            | C-Mount                                                |
| Mounting Threads: | ¼-20 with Tripod Mount Adapter <a href="#">#89-996</a> |

Environmental & Durability Factors

|            |                             |
|------------|-----------------------------|
|            |                             |
| +5 to +45  | Operating Temperature (°C): |
| -10 to +70 | Storage Temperature (°C):   |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |

|           |            |
|-----------|------------|
| Compliant | Reach 240: |
|-----------|------------|

## Product Details

- Ideal Analog Replacement
- Up to 1" Maximum Sensors
- Up to 125 fps
- 32MB of Onboard Memory

Allied Vision Manta GigE Cameras are an excellent choice for entry into using the GigE interface. Featuring an intuitive user interface as well as a powerful SDK, these cameras are an excellent value. With options from 0.3 MegaPixels to 12 MegaPixels, all sensors offered cover a wide array of applications. Allied Vision Manta GigE Cameras feature sensors from 1/4" to 1" in size. GigE Cable and Power Supply, both sold separately, are required for operation. Additional [GigE cables](#), [#89-996](#) 1/4-20 Mounting Plate, and [#62-712](#) 12 Pin I/O Cable are available.