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# Oryx® ORX-10G-310S9M Mono 10GigE

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ORYX-10G-310S9C



Stock **#20-254** 1 In Stock

-

1

+

S\$9,926<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1+         | S\$9,926.00 each              |
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Product Downloads

SPECIFICATIONS

|                                                                                                                                                                                                                            |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Monochrome                                                                                                                                                                                                                 | Spectrum:                 |
| General                                                                                                                                                                                                                    |                           |
| Monochrome Camera                                                                                                                                                                                                          | Type:                     |
| ORX-10G-310S9M                                                                                                                                                                                                             | Model Number:             |
| FLIR                                                                                                                                                                                                                       | Manufacturer:             |
| Onyx®                                                                                                                                                                                                                      | Camera Series:            |
| Physical & Mechanical Properties                                                                                                                                                                                           |                           |
| 60 x60 x 115                                                                                                                                                                                                               | Dimensions (mm):          |
| 508                                                                                                                                                                                                                        | Weight (g):               |
| Full                                                                                                                                                                                                                       | Housing:                  |
| Sensor                                                                                                                                                                                                                     |                           |
| 240MB                                                                                                                                                                                                                      | Image Buffer:             |
| APS-C                                                                                                                                                                                                                      | Sensor Format:            |
| 31.00                                                                                                                                                                                                                      | Resolution (Megapixels):  |
| 26.00                                                                                                                                                                                                                      | Frame Rate (fps):         |
| 6,464 x 4,852                                                                                                                                                                                                              | Pixels (H x V):           |
| 3.45 x 3.45                                                                                                                                                                                                                | Pixel Size, H x V (µm):   |
| 22.30 x 16.74                                                                                                                                                                                                              | Sensing Area, H x V (mm): |
| Sony IMX342                                                                                                                                                                                                                | Imaging Sensor:           |
| Progressive Scan CMOS                                                                                                                                                                                                      | Type of Sensor:           |
| Global                                                                                                                                                                                                                     | Shutter Type:             |
| 8/10/12 Bit                                                                                                                                                                                                                | Pixel Depth:              |
| 39µs - 30s                                                                                                                                                                                                                 | Exposure Time:            |
| 67.17                                                                                                                                                                                                                      | Dynamic Range (dB):       |
| GigE Vision                                                                                                                                                                                                                | Machine Vision Standard:  |
| Electrical                                                                                                                                                                                                                 |                           |
| 13.9                                                                                                                                                                                                                       | Power Consumption (W):    |
| Hardware & Interface Connectivity                                                                                                                                                                                          |                           |
| 10GigE                                                                                                                                                                                                                     | Interface:                |
| GigE interface with Screw Locks                                                                                                                                                                                            | Connector:                |
| Power Supply:<br>Power Supply Required and Sold Separately:<br>USA: <a href="#">#19-803</a><br>Europe: <a href="#">#19-803</a><br>Japan: <a href="#">#19-803</a><br>Korea: Not Available<br>China: <a href="#">#19-803</a> |                           |
| GPIOs:                                                                                                                                                                                                                     |                           |

|                                                                                              |  |
|----------------------------------------------------------------------------------------------|--|
| 1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional                 |  |
| <div><div>Synchronization:</div><div>Hardware Trigger (GPIO) or Software Trigger</div></div> |  |
| <div><div>Interface Port Orientation:</div><div>Back Panel</div></div>                       |  |
| <div><div>GPIO Connector Type:</div><div>12-pin Hirose (HR10)</div></div>                    |  |
| Threading & Mounting                                                                         |  |
| <div><div>Mount:</div><div>F-Mount (With <a href="#">#20-256</a>)</div></div>                |  |
| <div><div>Mounting Threads:</div><div>Built-in 1/4-20 Tripod Mount Adapter</div></div>       |  |
| Environmental & Durability Factors                                                           |  |
| <div><div>Operating Temperature (°C):</div><div>0 to +50</div></div>                         |  |
| <div><div>Storage Temperature (°C):</div><div>-30 to +60</div></div>                         |  |
| Regulatory Compliance                                                                        |  |
| <div><div>Certificate of Conformance:</div><div><a href="#">View</a></div></div>             |  |

## PRODUCT DETAILS

- 10GBASE-T (10GigE) Ethernet Interface
- 3.2 to 31 Megapixel Sony 4th Gen Pregius S Sensors
- Supports 4K60, 12-bit System Integration
- Tripod Adapter Built into Larger Oryx® Models



**Teledyne FLIR IIS Oryx 10GigE: High throughput, Award-winning camera designs**

Reliably capture images at high speed

The **Oryx 10GigE** camera family supports transfer speeds of up to 10 Gbit/s enabling capture of 4K resolution, 12-bit images at speeds exceeding 60 FPS. Reliable image transfer at high bandwidth is further improved with Myricom bundles and packet resend feature. A range of sensor options offer resolutions from 3.2 Megapixel up to 31 Megapixel. Oryx features include IEEE1588 clock synchronization and full compatibility with several popular third-party software supporting GigE Vision. Oryx's 10GBASE-T interface is a proven and widely deployed standard that provides reliable image transfer at cable lengths over 50 meters on inexpensive CAT6A, and up to 30 meters on CAT5e.

**Note:** The ORX-10G-310S9 and ORX-10G-245S8 cameras require an F-Mount lens adapter (sold separately).

**Features**

- Color or monochrome sensors
- Various frame triggering options including up to 8 sets of 2-feature sequencer
- Pixel binning, decimation, ROI
- On camera image processing includes Gamma, LUT, and sharpness

**Applications**

- Stadium venues
- Site security
- Factory automation
- Traffic monitoring
- Inspection systems