

# Oryx® ORX-10GS-51S5M-C Mono 10GigE

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ORYX-10G-310S9C



Stock **#19-794** 3 In Stock

-

1

+

£1,808<sup>00</sup>

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Product Downloads

|            |           |
|------------|-----------|
| Monochrome | Spectrum: |
|------------|-----------|

General

|                   |                |
|-------------------|----------------|
| Monochrome Camera | Type:          |
| ORX-10GS-51S5M-C  | Model Number:  |
| FLIR              | Manufacturer:  |
| Oryx®             | Camera Series: |

Physical & Mechanical Properties

|              |                  |
|--------------|------------------|
| 60 x 60 x 64 | Dimensions (mm): |
| 386          | Weight (g):      |
| Full         | Housing:         |

Sensor

|                       |                           |
|-----------------------|---------------------------|
| 240MB                 | Image Buffer:             |
| 2/3"                  | Sensor Format:            |
| 5.00                  | Resolution (Megapixels):  |
| 163.00                | Frame Rate (fps):         |
| 2,448 x 2,048         | Pixels (H x V):           |
| 3.45 x 3.45           | Pixel Size, H x V (µm):   |
| 8.45 x 7.07           | Sensing Area, H x V (mm): |
| Sony IMX250           | Imaging Sensor:           |
| Progressive Scan CMOS | Type of Sensor:           |
| Global                | Shutter Type:             |
| 8/10/12 Bit           | Pixel Depth:              |
| 3µs - 30s             | Exposure Time:            |
| 71.74                 | Dynamic Range (dB):       |
| GigE Vision           | Machine Vision Standard:  |

Electrical

|      |                        |
|------|------------------------|
| 12.3 | Power Consumption (W): |
|------|------------------------|

Hardware & Interface Connectivity

|                                                                                                                                                                                                           |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 10GigE                                                                                                                                                                                                    | Interface:       |
| GigE interface with Screw Locks                                                                                                                                                                           | Connector:       |
| 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> | Power Supply:    |
| 2 opto-isolated inputs, 2 opto-isolated outputs, 2 non-isolated bi-directional                                                                                                                            | GPIOs:           |
| Hardware Trigger (GPIO) or Software Trigger                                                                                                                                                               | Synchronization: |

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Back Panel                         | Interface Port Orientation:               |
| 12-pin Hirose (HR10)               | GPIO Connector Type:                      |
| Threading & Mounting               |                                           |
| C-Mount                            | Mount:                                    |
| 1/4-20 with Tripod Mount Adapter   | Mounting Threads: <a href="#">#19-804</a> |
| Environmental & Durability Factors |                                           |
| 0 to +70                           | Operating Temperature (°C):               |
| -30 to +60                         | Storage Temperature (°C):                 |
| Regulatory Compliance              |                                           |
| <a href="#">View</a>               | Certificate of Conformance:               |

## 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