

# Oryx® ORX-10GS-51S5C-C Color 10GigE

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ORYX-10G-310S9C



Stock **#19-795** 3 In Stock

-

1

+

S\$3,164<sup>00</sup>

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|       |           |
|-------|-----------|
|       | Spectrum: |
| Color |           |

General

|                  |                |
|------------------|----------------|
|                  | Type:          |
| Color Camera     |                |
|                  | Model Number:  |
| ORX-10GS-51S5C-C |                |
|                  | Manufacturer:  |
| FLIR             |                |
|                  | Camera Series: |
| Oryx®            |                |

Physical & Mechanical Properties

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

Sensor

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

Electrical

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

Hardware & Interface Connectivity

|                                                                                                                                                                                                           |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                                                                                                                                                                                           | Interface:                  |
| 10GigE                                                                                                                                                                                                    |                             |
|                                                                                                                                                                                                           | Connector:                  |
| GigE interface with Screw Locks                                                                                                                                                                           |                             |
|                                                                                                                                                                                                           | Power Supply:               |
| 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:                      |
| 2 opto-isolated inputs, 2 opto-isolated outputs, 2 non-isolated bi-directional                                                                                                                            |                             |
|                                                                                                                                                                                                           | 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:                                        |  |
| 1/4-20 with Tripod Mount Adapter <a href="#">#19-804</a> |  |
| Environmental & Durability Factors                       |  |
| Operating Temperature (°C):                              |  |
| 0 to +70                                                 |  |
| Storage Temperature (°C):                                |  |
| -30 to +60                                               |  |
| Regulatory Compliance                                    |  |
| Certificate of Conformance:                              |  |
| <a href="#">View</a>                                     |  |

## 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