

[See all 19 Products in Family](#)

# Oryx® ORX-10G-71S7M-C Mono 10GigE

See More by [Teledyne FLIR](#)



ORYX-10G-310S9C



Stock **#20-250** 1 In Stock

-

1

+

€3.140<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €3.140,00 each                |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

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

Product Downloads

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

General

|                   |                |
|-------------------|----------------|
| Monochrome Camera | Type:          |
| ORX-10G-71S7M-C   | Model Number:  |
| FLIR              | Manufacturer:  |
| Oryx®             | Camera Series: |

Physical & Mechanical Properties

|               |                  |
|---------------|------------------|
| 60 x 60 x 100 | Dimensions (mm): |
| 500           | Weight (g):      |
| Full          | Housing:         |

Sensor

|                       |                           |
|-----------------------|---------------------------|
| 240MB                 | Image Buffer:             |
| 1.1"                  | Sensor Format:            |
| 7.10                  | Resolution (Megapixels):  |
| 112.00                | Frame Rate (fps):         |
| 3,208 x 2,200         | Pixels (H x V):           |
| 4.50 x 4.50           | Pixel Size, H x V (µm):   |
| 14.44 x 9.90          | Sensing Area, H x V (mm): |
| Sony IMX420           | Imaging Sensor:           |
| Progressive Scan CMOS | Type of Sensor:           |
| Global                | Shutter Type:             |
| 8/10/12 Bit           | Pixel Depth:              |
| 10µs - 30s            | Exposure Time:            |
| 71.74                 | Dynamic Range (dB):       |
| GigE Vision           | Machine Vision Standard:  |

Electrical

|      |                        |
|------|------------------------|
| 13.6 | 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:        |

|                                                                 |  |
|-----------------------------------------------------------------|--|
| Synchronization:<br>Hardware Trigger (GPIO) or Software Trigger |  |
| Interface Port Orientation:<br>Back Panel                       |  |
| GPIO Connector Type:<br>12-pin Hirose (HR10)                    |  |
| Threading & Mounting                                            |  |
| Mount:<br>C-Mount                                               |  |
| Mounting Threads:<br>Built-in 1/4-20 Tripod Mount Adapter       |  |
| Environmental & Durability Factors                              |  |
| Operating Temperature (°C):<br>0 to +50                         |  |
| Storage Temperature (°C):<br>-30 to +60                         |  |
| Regulatory Compliance                                           |  |
| Certificate of Conformance:<br><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 10GgE: High throughput, Award-winning camera designs

Reliably capture images at high speed

The **Oryx 10GgE** 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