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Oryx® ORX-10G-245S8M Mono 10GigE

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ORYX-10G-310S9C



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- 1 + €4.775⁰⁰

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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

ORX-10G-245S8M **Model Number:**

FLIR **Manufacturer:**

Oryx® **Camera Series:**

Physical & Mechanical Properties

60 x 60 x 115 **Dimensions (mm):**

508 **Weight (g):**

Full **Housing:**

Sensor

240MB **Image Buffer:**

1.2" **Sensor Format:**

24.60 **Resolution (Megapixels):**

44.00 **Frame Rate (fps):**

5,320 x 4,600 **Pixels (H x V):**

2.74 x 2.74 **Pixel Size, H x V (µm):**

14.58 x 12.61 **Sensing Area, H x V (mm):**

Sony IMX530 **Imaging Sensor:**

Progressive Scan CMOS **Type of Sensor:**

Global **Shutter Type:**

12 bit **Pixel Depth:**

7µs - 30s **Exposure Time:**

70.48 **Dynamic Range (dB):**

GigE Vision **Machine Vision Standard:**

Electrical

13.8 **Power Consumption (W):**

Hardware & Interface Connectivity

10GigE **Interface:**

GigE interface with Screw Locks **Connector:**

Power Supply:
 Power Supply Required and Sold Separately:
 USA: [#19-803](#)
 Europe: [#19-803](#)
 Japan: [#19-803](#)
 Korea: Not Available
 China: [#19-803](#)

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:
F-Mount (With [#20-256](#))

Mounting Threads:
Built-in 1/4-20 Tripod Mount Adapter

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-30 to +60

Regulatory Compliance

Certificate of Conformance:
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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
Authorized
Distributor

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