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Oryx® ORX-10GS-89S6M-C Mono 10GigE

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ORYX-10G-310S9C



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Monochrome

Spectrum:

General

Monochrome Camera

Type:

ORX-10GS-89S6M-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:

1"

Sensor Format:

8.90

Resolution (Megapixels):

93.00

Frame Rate (fps):

4,096 x 2,160

Pixels (H x V):

3.45 x 3.45

Pixel Size, H x V (µm):

14.13 x 7.45

Sensing Area, H x V (mm):

Sony IMX255

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/10/12 Bit

Pixel Depth:

5µs - 30s

Exposure Time:

71.57

Dynamic Range (dB):

GigE Vision

Machine Vision Standard:

Electrical

12.6

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:
C-Mount

Mounting Threads:
1/4-20 with Tripod Mount Adapter [#19-804](#)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +70

Storage Temperature (°C):
-30 to +60

Regulatory Compliance

Certificate of Conformance:
[View](#)

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