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Oryx® ORX-10GS-89S6M-C Mono 10GigE

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£3,448⁰⁰

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Monochrome	Spectrum:
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General

Monochrome Camera	Type:
ORX-10GS-89S6M-C	Model Number:
FLIR	Manufacturer:
Oryx®	Camera Series:

Physical & Mechanical Properties

60 x60 x64	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 x2,160	Pixels (H x V):
3.45 x3.45	Pixel Size, H x V (µm):
14.13 x7.45	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):
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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	
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:
#19-804	
Environmental & Durability Factors	
0 to +70	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
View	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. 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