

Oryx® ORX-10GS-51S5C-C Color 10GigE

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ORYX-10G-310S9C



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1

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£1,808⁰⁰

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Product Downloads

Color	Spectrum:
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General

Color Camera	Type:
ORX-10GS-51S5C-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:
2/3"	Sensor Format:
5.00	Resolution (Megapixels):
163.00	Frame Rate (fps):
2,448 x2,048	Pixels (H x V):
3.45 x3.45	Pixel Size, H x V (µm):
8.45 x7.07	Sensing Area, H x V (mm):
Sony IMX250	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
3µs - 30s	Exposure Time:
71.74	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:

Electrical

12.3	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	
Synchronization: Hardware Trigger (GPIO) or Software Trigger	

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. 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