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Oryx® ORX-10GS-51S5C-C Color 10GigE

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ORYX-10G-310S9C



Stock **#19-795** 3 In Stock

-

1

+

A\$3,616⁰⁰

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	Spectrum:
Color	

General

	Type:
Color Camera	
	Model Number:
ORX-10GS-51S5C-C	
	Manufacturer:
FLIR	
	Camera Series:
Oryx®	

Physical & Mechanical Properties

	Dimensions (mm):
60 x 60 x 64	
	Weight (g):
386	
	Housing:
Full	

Sensor

	Image Buffer:
240MB	
	Sensor Format:
2/3"	
	Resolution (Megapixels):
5.00	
	Frame Rate (fps):
163.00	
	Pixels (H x V):
2,448 x 2,048	
	Pixel Size, H x V (µm):
3.45 x 3.45	
	Sensing Area, H x V (mm):
8.45 x 7.07	
	Imaging Sensor:
Sony IMX250	
	Type of Sensor:
Progressive Scan CMOS	
	Shutter Type:
Global	
	Pixel Depth:
8/10/12 Bit	
	Exposure Time:
3µs - 30s	
	Dynamic Range (dB):
71.74	
	Machine Vision Standard:
GigE Vision	

Electrical

	Power Consumption (W):
12.3	

Hardware & Interface Connectivity

	Interface:
10GigE	
	Connector:
GigE interface with Screw Locks	
	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 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