

Oryx® ORX-10G-71S7M-C Mono 10GigE

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ORYX-10G-310S9C



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1

+

£2,512⁰⁰

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

Monochrome	Spectrum:
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General

Monochrome Camera	Type:
ORX-10G-71S7M-C	Model Number:
FLIR	Manufacturer:
Oryx®	Camera Series:

Physical & Mechanical Properties

60 x 60 x 100	Dimensions (mm):
500	Weight (g):
Full	Housing:

Sensor

240MB	Image Buffer:
1.1"	Sensor Format:
7.10	Resolution (Megapixels):
112.00	Frame Rate (fps):
3,208 x 2,200	Pixels (H x V):
4.50 x 4.50	Pixel Size, H x V (µm):
14.44 x 9.90	Sensing Area, H x V (mm):
Sony IMX420	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10/12 Bit	Pixel Depth:
10µs - 30s	Exposure Time:
71.74	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:

Electrical

13.6	Power Consumption (W):
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Hardware & Interface Connectivity

10GigE	Interface:
GigE interface with Screw Locks	Connector:
Power Supply Required and Sold Separately: USA: #19-803 Europe: #19-803 Japan: #19-803 Korea: Not Available China: #19-803	Power Supply:
2 opto-isolated inputs, 2 opto-isolated outputs, 2 non-isolated bi-directional	GPIOs:

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: 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: 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