



INDUSTRIAL/MACHINE VISION APPLICATIONS

FLIR ORYX[®]

P/N: ORX-10G-310S9

ULTRA-HIGH RESOLUTION

This Oryx model features the 31MP Sony IMX342 Pregius global shutter CMOS sensor and maximizes your imaging output by delivering 26 FPS over it's 10GigE interface. It is designed with flexibility in mind with it's flat front providing easy support for custom optics or standard F-mount lenses with an optional lens mount accessory.

www.flir.com/mv

FEATURES

HIGH RESOLUTION SENSOR ON HIGH SPEED INTERFACE

Increase throughput by capturing 31 MP Global Shutter images at 26 FPS

RELIABILITY AND SIMPLICITY

10GBASE-T interface supports cables over 60m and makes multi-camera system set-up easy

FLEXIBILITY FOR INTEGRATORS

Develop innovative solutions quickly with GigE Vision compatibility and advanced on-camera features

APPLICATIONS

SPORTS ANALYTICS AND MOTION TRACKING

AUTOMATED OPTICAL INSPECTION

RESEARCH

LARGE VOLUME 3D SCANNING



GEN<i>CAM

IEEE 1588



SPECS	ORX-10G-310S9M	ORX-10G-310S9C
Resolution	6464 x 4852	
Frame Rate	26 FPS	
Megapixels	31 MP	
Chroma	Mono	Color
Sensor	Sony IMX342, CMOS, APS-C	
Readout Method	Global shutter	
Pixel Size	3.45 µm	
Lens Mount	Sold separately	
ADC	8-bit, 10-bit, and 12-bit	
Minimum Frame Rate*	1 FPS	
Gain Range*	0 to 47 dB	
Exposure Range*	39 µs to 30 s	
Acquisition Modes	Continuous, Single Frame, Multi Frame	
Partial Image Modes	Pixel binning, decimation, ROI	
Image Processing	Gamma, shading correction, lookup table, and sharpness	Color correction matrix, shading correction, gamma, lookup table, saturation, and sharpness
Sequencer	Up to 8 sets using 2 features	
Image Buffer	240 MB, maximum 1 image	
User Sets	2 user configuration sets for custom camera settings	
Flash Memory	4 MB non-volatile memory	
Opto-isolated I/O	2 input, 2 output	
Non-isolated I/O	1 bi-directional, 1 input	
Serial Port	1 (over non-isolated I/O)	
Auxiliary Output	3.3 V, 120 mA maximum	
Interface	10GigE	
Power Requirements	Externally powered over GPIO (12 - 24 V)	
Power Consumption	13.9 W maximum (13.6 W nominal)	
Dimensions/Mass	60 mm x 60 mm x 115 mm / 508 g	
Machine Vision Standard	GigE Vision	
Time Synchronization Protocol	IEEE 1588 Precision Time Protocol	
Compliance	CE, FCC, KCC, RoHS, REACH. The ECCN for this product is: EAR099.	
Temperature	Operating: 0°C to 50°C Storage: -30°C to 60°C	
Humidity	Operating: 20% to 80% (no condensation) Storage: 30% to 95% (no condensation)	
Warranty	3 years	

*Ranges are the same in binning and no binning modes.



OPTIONAL F-MOUNT
ACC-01-5014

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FIND THE BEST ORYX FOR
YOUR NEEDS



The World's Sixth Sense®