



INDUSTRIAL/MACHINE VISION APPLICATIONS

FLIR ORYX[®]

ULTRA-HIGH RESOLUTION

This Oryx model features the 31MP Sony IMX342 Pregius global shutter CMOS sensor and maximizes your imaging output by delivering 27 FPS over its 10GigE interface. The ORX-10G-310S9 is designed with flexibility in mind. With its flat front design, it provides easy support for custom optics or standard F-mount lenses with an optional lens mount accessory.

FEATURES

HIGH RESOLUTION SENSOR ON HIGH SPEED INTERFACE

Increase throughput by capturing 31 MP Global Shutter images at 27 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



PRELIMINARY SPECIFICATIONS - AVAILABLE IN 2019

SPECS	ORX-10G-310S9
Resolution	6464 x 4852
Frame Rate*	27 FPS
Megapixels	31 MP
Chroma	Color/Monochrome
Sensor	Sony IMX342, CMOS
Sensor Format	APS-C
Readout Method	Global Shutter
Pixel Size	3.45 µm
Lens Mount	Flat front (Optional F-Mount accessory)
ADC	8-bit / 10-bit / 12-bit
Gain Range	0 to 47 dB
Exposure Range	5 µs to 30 s
Acquisition Modes	Continuous, Single Frame, Multi Frame
Partial Image Modes	Region of Interest, Pixel Binning
Sequencer	8 sets (2 features plus exposure, gain)
IEEE1588 PTP	Supported
Opto-isolated I/O	2 x input, 2 x output
Non-isolated I/O	1 x bidirectional, 1 x input
Mass	500g
Interface	10GigE (RJ45 Connector)
Machine Vision Standard	GigE Vision
Power Requirements	External power via GPIO (12 - 24 V)
Power Consumption	11 W Nominal, 15 W maximum
Temperature Operating:	0°C to 50°C
Storage:	-30°C to 60°C
Dimensions	60 mm x 60 mm x 115 mm
Warranty	3 Years



OPTIONAL F-MOUNT
ACC-01-5014

