FLIR *ORYX*®

10 GIGE VISION

P/N: ORX-10G-51S5

4K60 and beyond

High Speed Interface
Capture global shutter 4K images at 60FPS (12-bit), and minimize cycle times with low latency image transfer

Reliability and Simplicity
Proven and reliable 10GBASE-T interface supports cable lengths over 50 m using widely available hardware
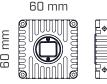
Flexibility for Integrators
GigE Vision compatibility and advanced on-camera features give integrators the tools to quickly develop innovative solutions
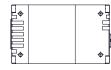
KEY FEATURES
- The latest high performance Sony Pregius sensors
- 4K60 at 12 bit HDR
- IEEE1588 clock synchronization
- GigE Vision backward compatibility
- Long cable length over inexpensive CAT6A copper cables

APPLICATIONS
- Sports analytics and motion tracking
- Automated optical inspection
- Research
- Large volume 3D scanning
- Broadcast + VR

60 mm   100 mm   60 mm

GigE VISION   GEN<i>CAM   IEEE 1588   Pregius

www.flir.com/mv

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Specifications

	ORX-10G-51S5M	ORX-10G-51S5C
Resolution	2448 x 2048	
Frame Rate	163 FPS	
Megapixels	5 MP	
Chroma	Mono	Color
Sensor	Sony IMX250, CMOS, 2/3"	
Readout Method	Global shutter	
Pixel Size	3.45 µm	
Lens Mount	C-mount	
ADC	8-bit / 10-bit / 12-bit	
Minimum Frame Rate*	1 FPS	
Gain Range*	0 to 47 dB	
Exposure Range*	3 µs to 30 s	
Acquisition Modes	Continuous, Single Frame, Multi Frame	
Partial Image Modes	Pixel binning, decimation, ROI	
Image Processing	Shading correction, gamma, lookup table, and sharpness	Shading correction, color correction matrix, gamma, lookup table, saturation, and sharpness
Sequencer	Up to 8 sets using 2 features, exposure and gain	
Image Buffer	240 MB	
PTP1588	Supported	
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, 150 mA maximum	
Interface	10GigE	
Power Requirements	Externally powered over GPIO (12 - 24 V)	
Power Consumption	11 W nominal, 15 W maximum	
Dimensions/Mass	60 mm x 60 mm x 100 mm/ 500 g	
Machine Vision Standard	GigE Vision	
Compliance	CE, FCC, KCC, RoHS, REACH	
Temperature	Operating: 0°C to 50°C Storage: -30°C to 60°C	
Humidity	Operating: 20% to 80% (no condensation) Storage: 20% to 95% (no condensation)	
Warranty	3 years	

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

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