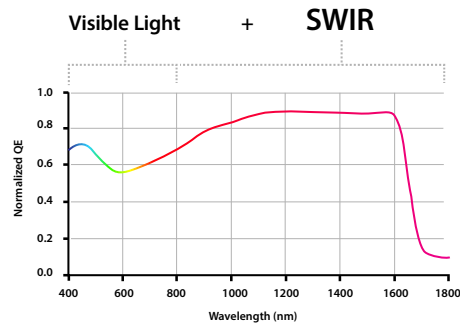


SWIR

SWIR Camera with Visible Light Sensitivity



Saturation Capacity	140 ke-
Dark Current	< 1 fA
Read Noise	<200 e- rms



GigE
VISION
GEN<i>i>CAM

Specifications

Resolution	FPS	Sensor	Pixel Size	Shutter	Sensitivity Range	Lens Mount	GigE Interface
0.3 MP 640 x 512 px	240 fps*	Sony IMX991 CMOS	5.0 μm	Global	400 to 1700 nm	C-Mount	1GBASE-T, MI2, PoE
1.3 MP 1280 x 1024 px	95 fps*	Sony IMX990 CMOS	5.0 μm	Global	400 to 1700 nm	C-Mount	1GBASE-T, MI2, PoE

*Current frame rates are preliminary and subject to change

Interface, Power, and Size Information	
Digital Interface	1000BASE-T, 100BASE-TX MI2, PoE
GPIO Interface	8 pin M8 connector
Opto-isolated I/O ports	1 input, 1 output
Non-isolated I/O ports	2 bi-directional
Dimensions	60 x 60 x 70 mm
Lens Mount	C-Mount
Weight	300 g
Power Requirement	PoE (IEEE 802.3af), or 12-24 VDC external
Power Consumption	<10W via PoE

Standard and Certifications	
Standard	GigE Vision v2.0
Compliance	CE, FCC, RoHS, REACH, WEEE
IP Rating	IP67
Storage Temperature	-30 to 60°C
Operating Temperature	TBD
Humidity	Operating: 20% ~ 80%, relative, non-condensing
Storage Humidity	20% ~ 95%, relative, non-condensing
Warranty	3 years

Imaging Properties	
Image Buffer	380 MB
Image Processing	Gain, gamma, black level, white balance, LUT, pixel correction, hue, saturation
Pixel Formats	Mono8/10/12/16,
Image Modes	Decimation, ROI, horizontal and vertical flip
ADC	8, 10, 12 bit
Gain Range	0 dB to 42 dB analog and digital
Exposure Time	30 μs to 10 s

Camera Features	
Cooling Capability	Delta T up to 30°C TEC up to 45°C ambient
User Sets	1 default and 2 custom
File system size	16 MB
Chunk Data	Timestamp, frame counter, offset X/Y, width/height, exposure time, gain, black level, line status, sequencer set
Event Data	Exposure start/end
Counter & Timer	2 counters and 2 timers
Sequencer	Exposure time, gain
Synchronization	Software trigger, hardware trigger, PTP (IEEE 1588)



sales@thinklucid.com
www.thinklucid.com

© 2020 LUCID Vision Labs, Incorporated. All rights reserved. Phoenix, Triton, Arena, ArenaView and other names and marks appearing on the products herein are either registered trademarks or trademarks of Lucid Vision Labs, Inc. and/or its subsidiaries. Subject to change without notice. Ver 1.0

SWIR

SWIR Camera with Visible Light Sensitivity



Visible



SWIR



Visible



SWIR



sales@thinklucid.com
www.thinklucid.com

© 2020 LUCID Vision Labs, Incorporated. All rights reserved. Phoenix, Triton, Arena, ArenaView and other names and marks appearing on the products herein are either registered trademarks or trademarks of Lucid Vision Labs, Inc. and/or its subsidiaries. Subject to change without notice. Ver 1.0