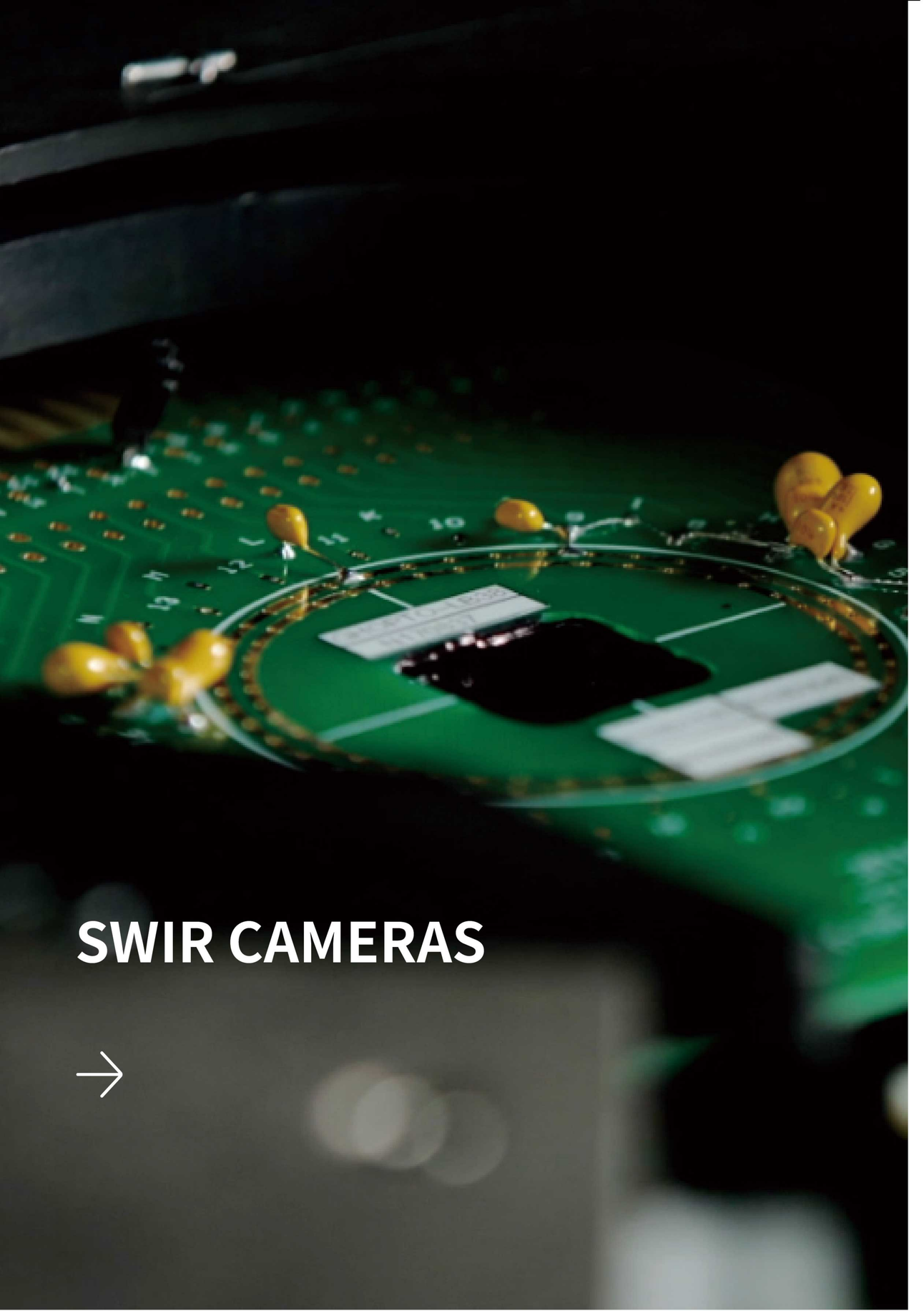

SWIR CAMERAS

900-1700nm / 400-1700nm SWIR Cameras

GH-SW640Pro-CL2
GH-SW640Pro-GigE

640x512

15µm

Global shutter

SDK

700fps

900-1700nm / 400-1700nm

Dual CameraLink Interface
GigE

TE Cooler
The cooling temperature is 40 degrees below the ambient temperature

Basic Specs	Model Type	GH-SW640Pro-GigE	GH-SW640Pro-CL2	
	Frame rate	125Hz	500Hz	700Hz
	Integration Time	50µs ~ 5s	31.25µs ~ 1.7ms	23.81µs ~ 1.3ms
	Interface	GigE	Dual CameraLink Interface	
	Software	SDK	SDK supporting CameraLink capture card	

Key Specs	
Sensor	GH-SW640Pro
Resolution	640 x 512
Spectral Response	900 ~ 1700nm / 400 ~ 1700nm
Pixel pitch	15µm
Lens mount	C-Mount
Quantum efficiency	> 70% （1.0µm ~ 1.6µm）
Full well capacity	1.8Me-
ADC	8bit / 14bit
Cooling	TEC
Dark current	30fA@0.1V&18℃
Interface	Dual CameraLink Interface
Exposure mode	Global exposure
Readout mode	IWR
Power Input	DC 12V
Power consumption	< 10W
Weight	≤500g （without Lens）
Dimensions	68mm x 68mm x 89.1mm （without Lens）
Operating Temp	-20 ℃ ~ +60 ℃
Storage Temp	-40 ℃ ~ + 85 ℃

* Technical data are subject to change without notice