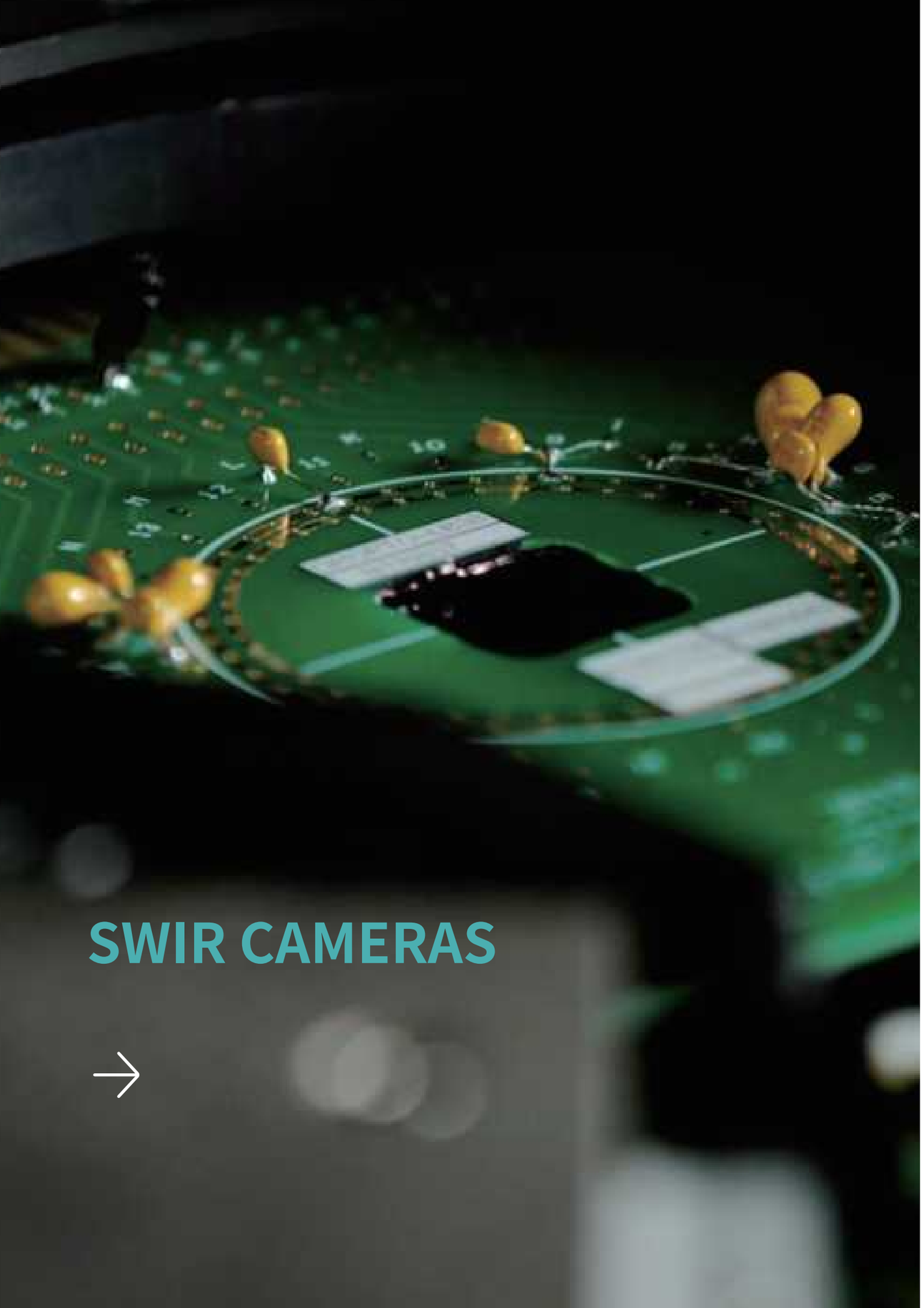

SWIR CAMERAS

GHOPTO
国惠光电

IMX Series Uncooled SWIR Camera

GHCB-991-U3 | GHCB-990-U3 | GHCB-992-U3
GHCB-991-GigE | GHCB-990-GigE | GHCB-992-GigE

640 x 512 / 1280 x 1024 / 2592 x 2056

5μm / 3.45μm

400-1700nm

USB3.0 / GigE

Type	GHCB-991-GigE	GHCB-991-U3	GHCB-990-GigE	GHCB-990-U3	GHCB-992-GigE	GHCB-992-U3
Sensor	Sony IMX 991	Sony IMX 991	Sony IMX 990	Sony IMX 990	Sony IMX 992	Sony IMX 992
Resolution	640 x 512	640 x 512	1280 x 1024	1280 x 1024	2592 x 2056	2592 x 2056
Pixel pitch	5μm	5μm	5μm	5μm	3.45μm	3.45μm
Image size	3.2mm x 2.56mm	3.2mm x 2.56mm	6.4mm x 5.12mm	6.4mm x 5.12mm	9.72mm x 7.09mm	9.72mm x 7.09mm
Frame rate	240Hz	240Hz	70Hz	135Hz	24Hz	70Hz
Data interface	GigE	USB3.0	GigE	USB3.0	GigE	USB3.0

Key Specs

Spectral range	0.4μm ~ 1.7μm	Maximum gain (multiple)	30
Sensitivity	361mV	Exposure time range	0.013～3000ms
Pixel depth	12bit	Power supply	Powered by 12V power adapter
Pixel format	Mono 8/12	Power consumption	＜4W (cooling)
Binning	Software 2x2	Lens mount	C Mount
Frame buffer	128M Bytes	Dimensions	29*29*36 mm
User parameter area	32K Bytes		

Digital I/O	1 optocoupler isolated input, 1 optocoupler isolated output, 2 non-isolated input and output ports
Temperature	Working temperature -20°C~60°C, storage temperature -30~60°C
Humidity	Working humidity 0-80% (non-condensation), storage humidity 20-95% (non-condensation)
Driver	Directshow, Halcon, Labview, OCX, TWAIN Supported
Programming language pack	C/ C++/ C#/ VB6/ VB.NET/ Delphi/ BCB/ Python/ Java
Operating System	WINXP, WIN7/8/10 32&64 bit OS, Linux & ARM Linux driver, Android platform driver, MAC OS
Other Functions	Support RO custom resolution of any size, contrast and gamma adjustment, saturation adjustment, white balance correction, black level correction, custom dead pixel coordinates, ISP image processing acceleration, 3D noise reduction, custom LUT table, frame Rate adjustment, custom camera name, etc.

* Technical data are subject to change without notice