


IMX Series Cooled SWIR Camera

GHCB-991T-U3 | GHCB-990T-U3 | GHCB-992T-U3

 640 x 512 / 1280 x 1024 / 2592 x 2056

 5μm / 3.45μm

 400-1700nm

 USB3.0

 TEC cooling temperature difference 20 °C



Type	GHCB-991T-U3	GHCB-990T-U3	GHCB-992T-U3
Sensor	Sony IMX 991	Sony IMX 990	Sony IMX 992
Resolution	640 x 512	1280 x 1024	2592 x 2056
Pixel Pitch	5μm	5μm	3.45μm
Image Size	3.2mm x 2.56mm	6.4mm x 5.12mm	9.72mm x 7.09mm
Frame Rate	240Hz	135Hz	70Hz

Key Specs	Key Specs		
	Spectral Range	0.4μm ~ 1.7μm	Maximum Gain (multiple)
Sensitivity	361mV	Exposure Time Range	0.013~3000ms
Pixel Depth	8bit / 12bit	Cooling	TEC cooling temperature difference 20 °C
Pixel Format	Mono 8/12	Power Supply	Powered by 12V power adapter
Binning	Software 2x2	Power Consumption	12W (cooling)
Frame Buffer	128M Bytes	Lens Mount	C Mount
User Parameter Area	32K Bytes	Dimensions	65*65*80 mm (not including lens mount and rear interface)
Data Interface	USB 3.0		
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

SWIR CAMERAS

