

TECHNICAL PARAMETER

Model	Product Model	EMVC-GGC1207GC
	Product Name	10GigE Camera
Sensor	Color/Mono	Color
	Sensor Model	GPIXEL-GMAX3412
	Sensor Type	CMOS
	Optical Size	1.1"
	Pixel Size	3.4um x 3.4um
	Exposure Method	Global Shutter
	Efective Pixels	12MP
	AD Width	12bit
Performance Parameters	Signal-to-Noise Ratio	39.5dB
	Dynamic Range	67.9dB
	Sensitivity	$2.36 \times 10^7 e^- / ((W/m^2) \cdot s) @ 540nm$
	Quantum Efcieny	75%@540nm
	Resolution@Frame Rate	4096x3072 MAX@90FPS
	Output Pixel Width	12 bit
	Video Output Format	Bayer GB 8/12bit
	Maximum Gain	8X
	Exposure Time Range	0.0035-58720.2525ms
	Trigger Mode	Continuous/Software Trigger/Hardware Trigger
	Frame Bufer	1GB
	User-Defned Data Area	2KB
Electrical Characteristics	Data Interface	10 Gigabit copper cable 10GBase-T, compatible with 100M/1G/2.5G/5G
	I/O Port	2 optocoupler inputs, 2 optocoupler outputs, 1 non-isolated configurable input/output, supporting trigger and flash sync modes
	Power Supply	External power supply 24V (±10%)
	Power	< 10W
Structural Characteristics	Heat Dissipation Method	Aluminum Alloy Body Natural Cooling
	Lens Mount	C-mount
	External Dimensions	64x64x52.7mm (excluding lens mount and rear shell interface)
	Weight	<400g
	Ingress Protection Rating	IP40
	Temperature	Operating Temperature 0~50°C / Storage Temperature -30~60°C
	Humidity	Operating Humidity 20~80% (non-condensing) / Storage Humidity 20~95% (non-condensing)
Protocol Standards	Operating System	Windows XP, Windows 7/8/10/11 (32-bit & 64-bit), Linux (32-bit & 64-bit)
	Software	Directshow components Halcon special components Labview dedicated drive OCX components TWAIN components
	Vision Standard Protocol	GigE Vision, GenICam
	Certification	CE,RoHS

Note: *For XG, XGC & XGL series cameras, if the aviation connector is labeled "24V", the camera supports 24V input. If there is no voltage marking, the camera only accepts 12V input—exceeding 12V may damage the camera.