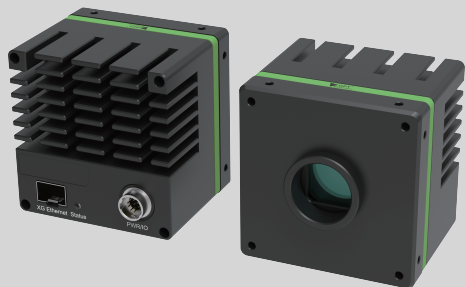




OPT CH1 Industrial Area Scan Cameras

OPT-CH1-M120-XGG3-02



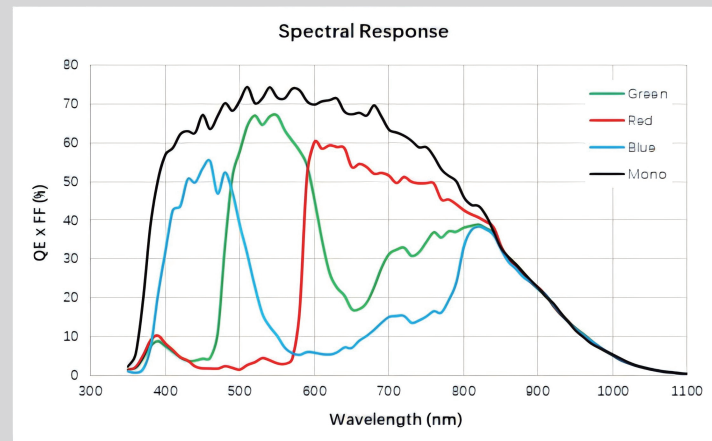
- 10Gbps bandwidth optical fiber transmission, with a transmission distance of up to 100 meters.
- Using light as transmission signal, it is not subject to electromagnetic interference, and the transmission is more stable
- Supports software trigger/hardware trigger/free-run capture and other acquisition modes.
- Supports ISP (Image Signal Processing) functions such as gamma correction, LUT (Look-Up Table), etc.
- Support multiple image data formats output/ROI/Mirror, etc.
- Compatible with GigE Vision protocol and GenICam standard.
- Conform to CE, RoHS

Specification

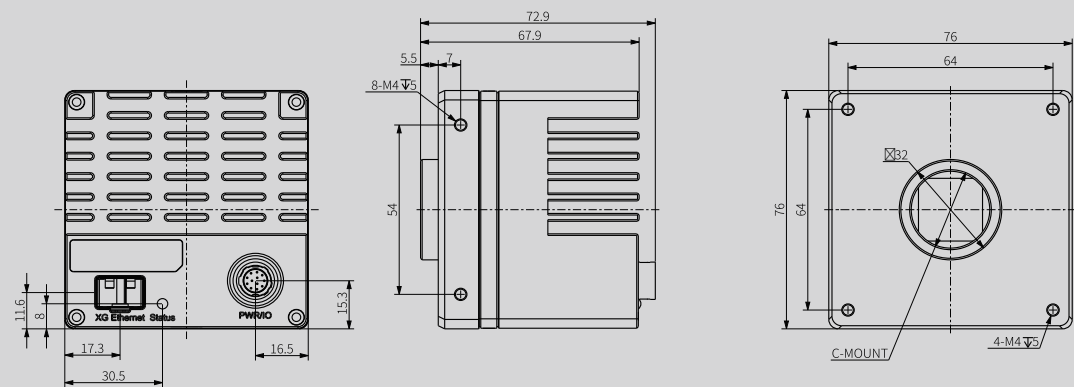
Model	Sensor	Sensor Type	Shutter	Resolution	Frame rate (fps)	Bit Depth (bit)	Interface	Mono/Color	Pixel size (μm)	Sensor Size
OPT-CH1-M120-XGG3-02	GMAX3412	CMOS	Global	4096×3072	93.7	8/10/12	10GigE(SFP+)	Mono	3.4 × 3.4	1.1"

Model	OPT-CH1-M120-XGG3-02
Effective Pixels	12MP
SNR	> 39dB
Dynamic Range	68.9dB
GPIO	12 pin Hirose: 2 x Opto-isolated input, 2 x Opto-isolated output
Image Format	Mono8/10/10Packed/12/12Packed
ROI	Support
Gamma	from 0 to 3.999
Exposure Time	7 μ s~10s
Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
User Setting	Supports saving 3 sets of user-defined configurations
Dimensions	76mm×76mm×62.4mm (not including lens mount and rear case connector)
Power Supply	DC power supply through 12 pin Hirose interface, voltage range 12V ~ 24V
Power Consumption	24V≈7.2W
Lens Mount	C
Standards	Compliant with GigE Vision, GenICam
Temperature	Storage Temperature: -30℃~+80℃; Operating Temperature: 0℃~+50℃

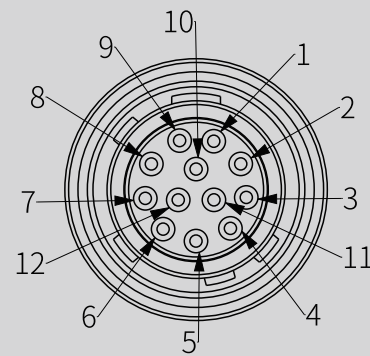
Spectrogram



Dimensions (mm)



IO Interface Instruction(mm)



PIN	Signal	Description
1	GND	Camera DC power ground
2	POWER	DC 24Vpower supply
3	NC	reserved
4	NC	reserved
5	NC	reserved
6	NC	reserved
7	OUT_GND	Opto-isolated output signal ground
8	LineOut1	Opto-isolated output1
9	LineOut2	Opto-isolated output2
10	IN_GND	Opto-isolated input signal ground
11	Line2	Opto-isolated input2
12	Line1	Opto-isolated input1



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