OPT® Machine Vision

VISCON

OPT CH1 Series Area Scan Cameras

OPT-CH1-M650-XGG3-03

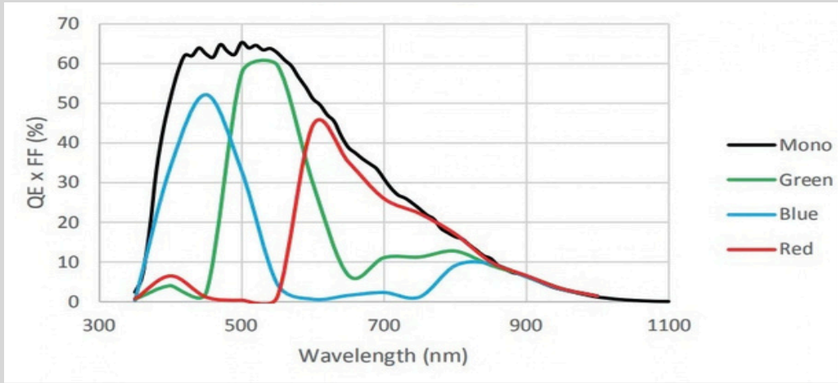
- 10 Gigabit Ethernet interface, 10Gbps effective bandwidth, and the maximum transmission distance of 100m.
- Support ISP functions including Gamma, LUT, Black level, Brightness and Contrast etc.
- Support Hardware Trigger, Software Trigger, Free Run Mode. Built-in large-capacity frame cache, used for data transmission or image retransmission in burst mode.
- Support multiple image data formats output, ROI, Reverse and AutoFunction etc.
- Compatible with GigE Vision V2.0 Protocol and GenICam Standard, convenient for third-party connection.

Specification

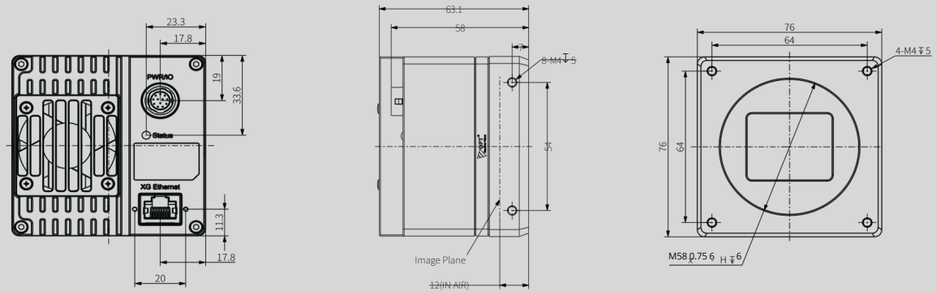
Model	Sensor model	Sensor type	Shutter type	Resolution	Frame rate	Pixel size	Sensor size	Mono/Color
OPT-CH1-M650-XGG3-03	GMAX3265	CMOS	Global	9344 × 7000	18 fps	3.2 μm× 3.2 μm	29.9 mm × 22.4 mm	Mono

Name	65 MP Mono 10GigE Area Scan Camera
Pixel format	Mono 8/10/10Packed/12/12Packed
Max Frame rate	18 fps@9344 × 7000 Mono 8
Dynamic range	66 dB
SNR	40 dB
Gain	1 dB ~ 6 dB
Exposure time	13 μs ~ 10 s
Trigger mode	Software Trigger/Hardware Trigger/Free Run Mode
Reverse image	Horizontal Reverse, Vertical Reverse
Binning	No Support
Data interface	10GigE Vision
I/O interface	12-pin Hirose interface power supply: 2 × Opto-isolated input, 2 × Opto-isolated output
Power supply	Voltage Range DC: 12 VDC to 24 VDC
Power consumption	12.63 W@24 VDC
Lens mount	M58×0.75
Dimension	76 mm×76 mm×63.1 mm (not including lens mount and rear case connector)
Weight	≈ 476.5 g
Temperature	Working temperature: 0 °C to 50 °C, Storage temperature: 0 °C to 80 °C
Operating system	Windows 7/10/11 32/64bits, Linux 64bits, MacOS 64bits
Compatibility	GigE Vision V2.0, GenICam
Certification	/

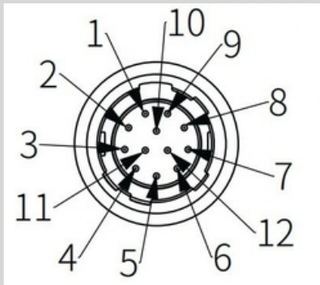
Spectral Response



Dimension (mm)



I/O Interface Description



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

VISCON

VISCON TECHNOLOGY CO., LTD.
54/88 KHLONGSEE, KHLONG LUANG DISTRICT, PATHUM THANI 12120 THAILAND
TEL : 02-0009297
MB : 0809293068
E-MAIL : SALE@VISCONTECHNOLOGY.COM

viscontechnology.com