CHGM-314M

3.2 MP 1/1.8" CMOS GigE Area Scan Camera

Introduction

CHGM-314M camera adopts Sony® IMX265 sensor to provide high-quality image. It uses GigE interface to transmit non-compressed images in real time with max. frame rate reaching 37.5 fps in full resolution.

Key Feature

- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Supports auto and manual adjustment for exposure control, LUT, Gamma correction, etc.
- Up to 128 MB local memory for burst transmission.
- Supports hardware trigger, software trigger, etc.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

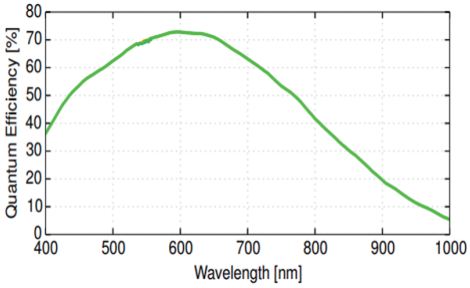
Available Model

CHGM-314M

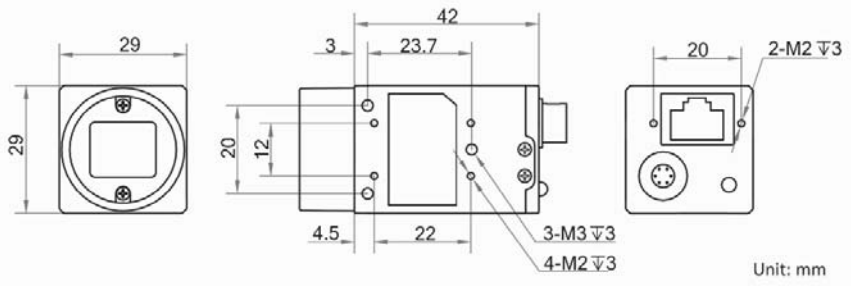
Applicable Industry

Electronic semiconductor, factory automation, food and beverage, medical packaging, etc.

Sensor Quantum Efficiency



Dimension



HOURS
www.hours-web.com

Specification

Model	CHGM-314M
Camera	
Sensor type	Global shutter CMOS
Sensor model	Sony® IMX265
Pixel size	3.45 μm x 3.45 μm
Sensor size	1/1.8"
Resolution	2048 × 1536
Max. frame rate	37.5 fps @2048 × 1536
Dynamic range	73 dB
SNR	40 dB
Gain	0 dB to 20 dB
Exposure time	UltraShort exposure mode: 1 μs to 14 μs
	Standard exposure mode: 15 μs to 10 s
Shutter mode	Off/Once/Continuous exposure mode
Mono/color	Mono
Pixel format	Mono 8/10/10p/12/12p
Binning	Supports 1 x 2, 1 x 4, 2 x 1, 2 x 2, 2 x 4, 4 x 1, 4 x 2, 4 x 4
Decimation	Supports 1 x 2, 2 x 1, 2 x 2
Reverse image	Supports horizontal and vertical reverse image output
Image buffer	128 MB
Electrical features	
Data interface	Gigabit Ethernet interface
Digital I/O	6-pin Hirose connector provides power and I/O, including opto-isolated input x 1 (Line0), opto-isolated output x 1(Line1), and bi-directional non-isolated I/O x 1 (Line2).
Power supply	12 VDC, supports PoE
Power consumption	Approx. 3.2 W@12 VDC
Structure	
Lens mount	C-Mount
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")
Weight	Approx. 68 g (0.15 lb.)
Ingress protection	IP30 (under proper lens installation and wiring)
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity	20% to 80% RH, without condensation
General	
Client software	MVS or third-party software meeting with GigE Vision Protocol
Operation system	32/64-bit Windows XP/7/10, 32/64-bit Linux and 64-bit MacOS
Compatibility	GigE Vision V2.0, GenICam
Certifications	CE, FCC, RoHS, KC