CK-S500MI/CI-24GS V5
5 MP GigE Area Scan Camera

CK-S500MI/CI-24GS V5 camera adopts Sony® IMX264 sensor to provide high-quality images. It uses GigE interface to transmit images in real time, and its max. frame rate can reach 24.2 fps in full resolution.



Key Features

- Adopts brand new design to reduce power consumption.
- Supports auto or manual adjustment of gain, exposure time, white balance, LUT, Gamma correction, etc.
- Supports multiple ISP functions like CCM to provide high-quality images.
- Compact design with mounting holes on panels for flexible mounting from 4 sides.
- Adopts GigE interface and max. transmission distance of 100 meters without relay.
- Compatible with GigE Vision V2.0 Protocol, GenICam Standard, and third-party software based on the protocol and standard.

Typical Application

- Electronics and semiconductor
- Factory automation
- Medicine package

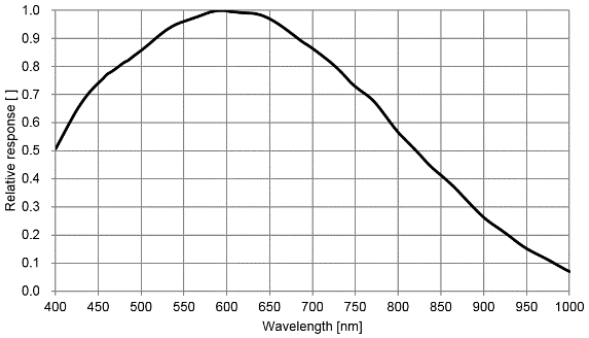
Specification

Model	CK-S500MI-24GS V5	CK-S500CI-24GS V5
Performance		
Sensor type	CMOS, global shutter	
Sensor model	Sony® IMX264	
Pixel size	3.45 μm × 3.45 μm	
Sensor size	2/3"	
Resolution	2448 × 2048	
Max. frame rate	24.2 fps @ 2448 × 2048 Mono 8	24.2 fps @ 2448 × 2048 Bayer RG 8
Dynamic range	71.4 dB	
SNR	40 dB	
Gain	0 dB to 24 dB	
Exposure time	UltraShort exposure mode: 1 μs to 14 μs Standard exposure mode: 15 μs to 10 sec	
Exposure mode	Off/Once/Continuous exposure mode	
Mono/color	Mono	Color
Pixel format	Mono 8/10/10Packed/12/12Packed	Mono 8 Bayer RG 8/10/10Packed/12/12Packed YUV422Packed, YUV422_YUYV_Packed RGB 8, BGR 8
Binning	Supports 1 × 1, 2 × 2, 4 × 4	
Decimation	Supports 1 × 1, 2 × 2	
Reverse image	Supports horizontal and vertical reverse image output	
Electrical feature		
Data interface	Gigabit Ethernet (1000 Mbit/s), compatible with Fast Ethernet (100 Mbit/s)	
Digital I/O	6-pin P7 connector provides power and I/O, including opto-isolated input × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2).	
Power supply	9 VDC to 24 VDC, supports PoE	
Power consumption	Typ. 1.8 W @ 12 VDC	
Mechanical		
Lens mount	C-mount	
Dimension	29 mm × 29 mm × 42 mm (1.1" × 1.1" × 1.7")	
Weight	Approx. 100 g (0.2 lb.)	
Ingress protection	IP40 (under proper lens installation and wiring)	
Temperature	Working temperature: –30 °C to 60 °C (–22 °F to 140 °F) Storage temperature: –30 °C to 80 °C (–22 °F to 176 °F)	
Humidity	20% RH to 95% RH (no condensation)	
General		
Client software	CKVisionBuilder or third-party software meeting with GigE Vision Protocol	
Operating system	32/64-bit Windows 7/10, 64-bit Windows 11, 32/64-bit Linux	
Compatibility	GigE Vision V2.0, GenICam	
Certification	CE, RoHS, KC	

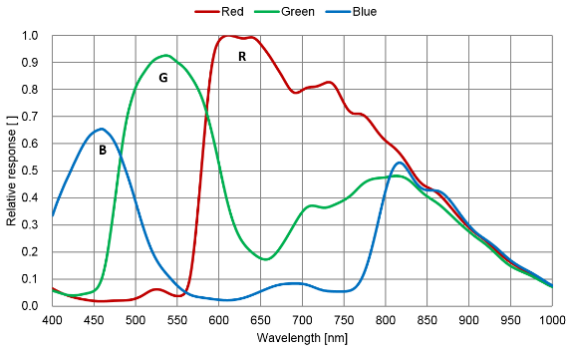
Available Model

- Mono camera: CK-S500MI-24GS V5
- Color camera: CK-S500CI-24GS V5

Sensor Quantum Efficiency

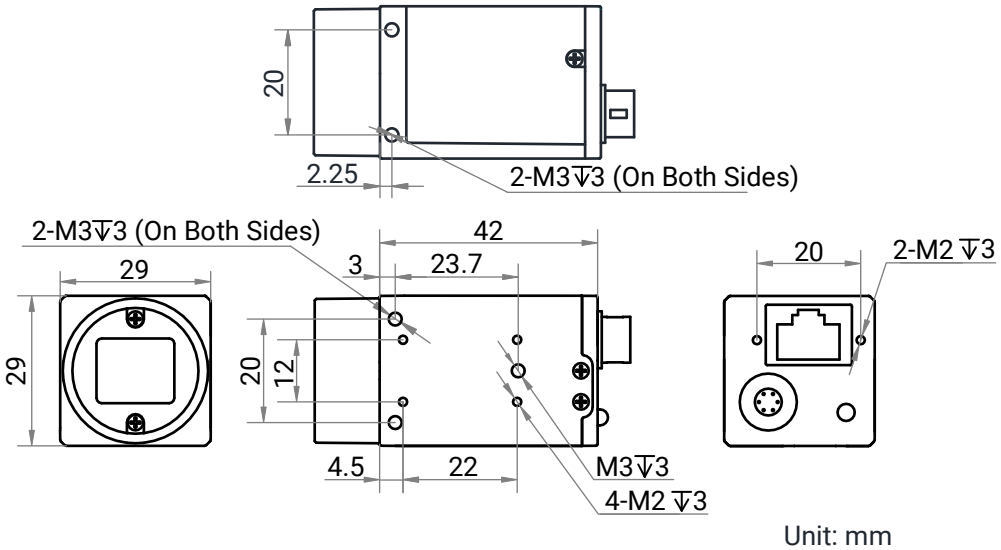


CK-S500MI-24GS V5



CK-S500CI-24GS V5

Dimension



Unit: mm