

CAM-CL-CG160-C



Erkennen, was möglich ist

CAM-CL-CG160-C

Basic Specifications

B/W / Colour	Color
Image Size	1.6 Mega
Image Sensor	IMX273: 1/2.9-type CMOS Image sensors with a global shutter function (Pregius)
Number of Effective Pixels (H x V)	1,456 × 1,088
Cell Size (H x V)	3.45 μm × 3.45 μm
Standard Output Pixels (H x V)	1,440 × 1,080
Colour Filter	RGB Colour mosaic filter
Frame Rate	75 fps (8 bit, Mono/Raw)
Minimum Illumination	12 lx (Iris: F1.4, Gain: +18 dB, Shutter: 1/30 s)
Sensitivity	F5.6 (2000 lx, Gain: 0 dB, Shutter: 1/30 s)
SNR	More than 50 dB (Lens close, Gain: 0 dB, 8 bit)
Gain	Auto, Manual : 0 dB to 18 dB
Shutter Speed	Auto, Manual : 60 to 1/100,000 s
White Balance	Manual, One push

Camera features

Readout Modes	Normal, Partial scan(Multi ROI), Quarter
Readout Features	LUT (Binarization, Gamma (Arbitrary value settable)), Test pattern* *Except XCG-CG40
Synchronization	Hardware trigger, Software trigger, PTP (IEEE1588)
Trigger Modes	OFF (Free run), ON (Edge detection, Trigger width detection), Special trigger (Burst trigger, Bulk trigger*, Sequential trigger*, Free set sequence*) *Except XCG-CG40
Userset	16
User Memory	64 kbytes + 64 bytes x 16 ch
Partial Scan W (Pixel)	16 to 1,456
Partial Scan H (Line)	16 to 1,088
GPO	EXPOSURE/Strobe/Sensor lead out/Trigger through/Pulse generation signal/User defined 1, 2, 3 (Output switching)
Other Features	Area gain, Defect correction, Shading correction*, Temperature readout, LUT, 3 x 3 filter *Except XCG-CG40

Interface

Video Data Output	digital Raw 8, 10, 12 bit (at the time of shipment Raw 8 bit) RGB, YUV422, YUV444
Digital Interface	Gigabit Ethernet (1000BASE-T/100BASE-TX)
Camera Specification	GigE Vision® Version 2.0/1.2
Digital I/O	ISO IN (x1), ISO OUT (x1), TTL IN/OUT (x1, selectable)

General

Lens Mount	C mount
Flange Back	17.526 mm
Power Requirements	DC +12 V (10.5 V to 15.0 V), PoCL (10 V to 13.0 V)
Power Consumption	2.7 W max. (DC +12V)
Operating Temperature	-5°C to +45°C (23°F to 113°F)
Performance Guarantee Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Humidity	20% to 80% (no condensation)
Storage Humidity	20% to 80% (no condensation)
Vibration Resistance	10 G (20 Hz to 200 Hz 20 minutes for each direction -x, y, z)
Shock Resistance	70 G
Dimensions (W x H x D)	29 × 29 × 42 mm (excluding protrusions) 1 3/16 × 1 3/16 × 1 3/16 inches (excluding protrusions)
Mass	Approx. 53 g (Approx. 1.9 oz)
MTBF	76,315 hours (Approx. 8.7 years)
Regulations	UL60950-1, FCC Class A, CSA C22.2-No.60950-1, IC Class A Digital Device, CE : EN61326 (Class A), AS EMC: EN61326-1, VCCI Class A, KCC, CU-TR EAC
Supplied Accessories	Lens mount cap (1), Safety Regulations* ¹ 2 (1)

1. Notes related to safety. Conventional instruction manual content will be included in the "Technical Manual".

