

## Compact GigE Camera

IMI-TECH Series is a Gigabit Ethernet and GigE Vision Standard Compact Camera, with various resolution, frame numbers and a compact case, which is available to many industrial equipments and using photo-coupler-style trigger strobe, ethernet cable lock, etc. can help constitute a safer and more precise vision system.

Based on reliable technology and knowhow we are willing to distribute the optimum GigE Vision Camera.



### Key Features 01

- VGA Supporting up to 20 Mega Pixel Resolution
- Maximum 78 fps per Second (1440 x 1080) Possible
- CMOS (Global / Rolling Shutter)
- Hardware Trigger / Strobe (Photo Coupler)
- C-Mount
- Ethernet Cable Lock Support
- POE Support
- 29[W] X 29[H] X 51.1[D]mm(Lens Coupler Excluded)

### Applications 02

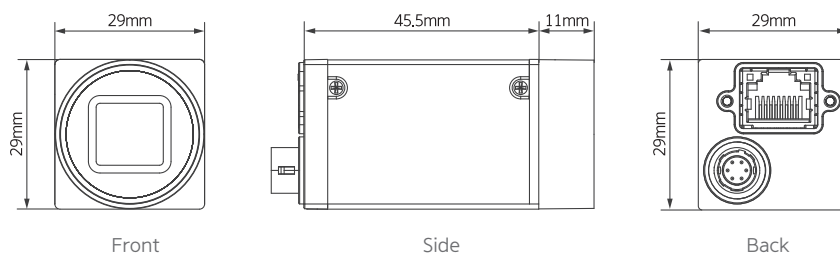
- Machine Vision (Semiconductor, Automobile, Robot, etc.)
- Medical Equipment (Microscope, Ophthalmology, Dentistry, etc.)
- Sports Science (Motion Analysis, Training, etc.)
- Intelligent Transport System (License Number Recognition, etc.)

### Option Kit 03

- 6 pin Trigger / Power Cable (Option)
- Tripod Plate (Option)
- Lens (Option)
- Software Package (Option)

## Dimensions

For GigE Camera Series



Model	Sensor	Resolution		Frame Rate	Mono / Color	Pixel Size	Sensor Size	Shutter
IMC-7621GS	IMX147	20M	5184 x 3888	5 fps	Color	1.20 x 1.20um	1/2.3" Sony	Rolling
IMB/C-7712GS	IMX304	12M	4096 x 3000	8 fps	Mono / Color	3.45 x 3.45um	1.1" Sony	Global
IMB/C-770GC	MT9J003	10M	3660 x 2744	7.3 fps	Mono / Color	1.67 x 1.67um	1/2.3" OnSemi	Rolling
IMB/C-7709GS	IMX267	9M	4096 x 2160	13 fps	Mono / Color	3.45 x 3.45um	1" Sony	Global
IMB/C-7707GS	IMX428	7M	3208 x 2200	17 fps	Mono / Color	4.50 x 4.50um	1.1" Sony	Global
IMB/C-750GC	MT9P031	5M	2588 x 1940	14 fps	Mono / Color	2.20 x 2.20um	1/2.5" OnSemi	Rolling
IMB/C-751GS	IMX264	5M	2448 x 2048	23 fps	Mono / Color	3.45 x 3.45um	2/3" Sony	Global
IMB/C-751G	RJ32S4AD0DT	5M	2448 X 2048	15 fps	Mono / Color	3.45 x 3.45um	2/3" Sharp CCD	Global
IMB/C-730GS	IMX265	3.1M	2048 x 1536	35 fps	Mono / Color	3.45 x 3.45um	1/1.8" Sony	Global
IMB/C-723GS	IMX249	2.3M	1920 x 1200	30 fps	Mono / Color	5.86 x 5.86um	1/1.2" Sony	Global
IMB/C-719GS	IMX273	1.5M	1440 x 1080	78 fps	Mono / Color	3.45 x 3.45um	1/2.9" Sony	Global
IMB/C-716GA	ARO134	1.2M	1280 x 960	45 fps	Mono / Color	3.75 x 3.75um	1/3" OnSemi	Global

# GigE CMOS 7MP Camera

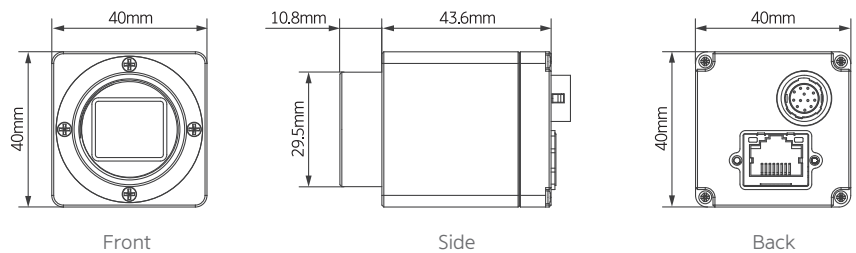
## IMB-7707GS & IMC-7707GS

- High Resolution & Big Pixel Size
- 40 x 40 x 54mm
- 7 Mega 17 Frame



## Dimensions

For GigE CMOS 7MP Camera



## Key Features 01

- 1.1" Sony CMOS Sensor
- 4.5um x 4.5um
- 3208 x 2200 @ 17 fps
- External Trigger (Photo Coupler)
- Ethernet Cable Lock with Screws
- POE Support
- 40(W) x 40(H) x 54(L)mm

## Applications 02

- Machine Vision (Semiconductor, Automobile)
- Medical Equipment (Microscope, Dentistry)
- Sports Science (Motion Analysis, Physical Exam)
- ITS (Intelligent Transport System)
  - Surveillance Purposes
  - Road Traffic Detection
  - License Number Recognition

Specification	IMB/C-7707GS
Image Sensor	1.1" SONY CMOS Sensor (IMX428LLJ-C / IMX428QJ-C)
Scanning System	Progressive System
Image Size	3208(H) x 2200(V), 7.0M Pixels
Cell Size (um)	4.50um x 4.50um
Actual Motion Frame Number	Mono : 17(3208 x2200, Mono8) 9(3208 x 2200, Mono12) Color : 17(3200 x 2200, Bayer8 / Mono8) 9(3200 x 2200, Bayer12 / Mono12) 9(3200 x 2200, YUV422)
Lens Mount	C-Mount
S/N Rate	>65dB
Electronic Shutter Speed	50μsec ~ 2sec, Global Shutter
Frame Format	Mono8, Mono12 / Bayer8, Bayer12, YUV422, Mono8, Mono12
Trigger	Edge : Rising Edge or Falling Edge(Photo Coupler) Mode : 0,15 Source : External Trigger(Photo-coupler) or Software Trigger
Strobe	Support Normal Mode or Trigger Mode(Photo-coupler)
Memory Storage, / Bringing-in	9채널(0 : factory, 1~8 : mode / feature)
One shot / Multi Shot	65535 shots
Function Control	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain Use Defined LUT
SIO(RS-232)	Support Possible
Gain	0 ~ 24dB
Data Mode	12 bit A/D
Supply Power and Voltage	DC12V ~ 24V ±10%
Consumed Power	~ 4.6 [W] max.
External Dimension (H x V x L)	40.0mm x 40.0mm x 54.0mm
Weight	107g
Operation Temperature	-10°C ~ +50°C (Humidity : 0%RH ~ 80%RH)
Storage Temperature	-30°C ~ +60°C (Humidity : 0%RH ~ 90%RH)
Camera Standard	AIA GigE Vision Version 1.0