

Amazon

7000 Series

Robust High Performance GigE Camera

The Amazon 7000 series is a group of industrial digital cameras that are compliant with both the Gigabit Ethernet and with the GigE Vision standards. They provide Auto Iris and robust housing to operate in extreme environments and different lighting conditions.

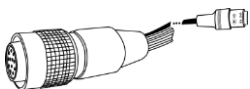
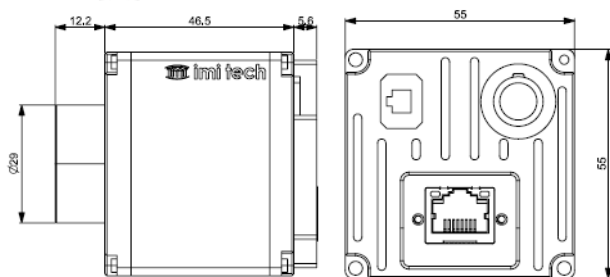
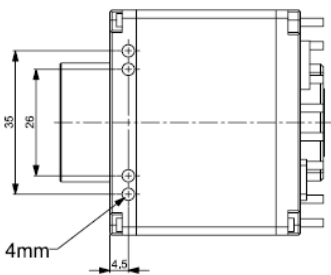
They not only support the traditional Machine Vision application; but also support intelligent traffic systems, medical imaging, high-tech security and more.

Key Features

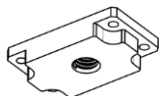
- Rugged Form Factor
- CCD(Global Shutter)
- Color/Mono type, VGA to 5 MP High Resolution
- Max. 86fps (656x488 pixel), External Trigger/Strobe
- User Define Look Up Table, User Default Memory Save
- Binning/ROI/Brightness/Sharpness/Gamma/Gain/WB/Hue
- C/CS Mount selectable, Back focal length adjustable
- Operating Temp. -5°C ~ 45°C(Storage -30°C ~ 60°C)
- 55(W) x 55(H) x 52.1(D)mm (without lens adapter)
- Cable lock with screws

Applications

- Machine Vision (Semiconductor, Automotive)
- Medical (Microscopy, Dental Medicine)
- Sport Science (Motion Analysis, Physical)



Trigger/Power Cable



Tripod Plate



Specifications

Model	IMx-7016G	IMC-7015G2	IMx-7015G	IMx-7012G	IMx-7011G
Image Sensor	1/3" Sony CCD	1/3" Sony CCD	1/3" Sony CCD	1/2" Sony CCD	1/3" Sony CCD
Sensor Name	ICX445 AL/AQ	ICX692 AQ	ICX204 AL/AK	ICX414 AL/AQ	ICX424 AL/AQ
Resolution	Megapixel	1.3MP	0.9MP	0.78MP	0.3MP
	HxV	1288 x 964	1280 x 720	1032 x 776	656 x 484
Pixel Size	3.75µm x 3.75µm	4.08µm x 4.08µm	4.65µm x 4.65µm	9.90µm x 9.90µm	7.40µm x 7.40µm
Frame Rate	30 fps	30 fps	30 fps	86 fps	86 fps

Model	IMx-7050G	IMx-7028G	IMx-7020G	IMx-7018G	IMx-7017G
Image Sensor	2/3" Sony CCD	1/1.8" Sony CCD	1/1.8" Sony CCD	2/3" Sony CCD	1/2" Sony CCD
Sensor Name	ICX625 AL/AQ	ICX687 AL/AQ	ICX274 AL/AQ	ICX285 AL/AQ	ICX267 AL/AK
Resolution	Megapixel	5.0MP	2.8MP	2.0MP	1.4MP
	HxV	2448 x 2048	1936 x 1456	1624 x 1232	1388 x 1232
Pixel Size	3.45µm x 3.45µm	3.69µm x 3.69µm	4.40µm x 4.40µm	4.40µm x 4.40µm	4.65µm x 4.65µm
Frame Rate	15 fps	20 fps	25 or 16 fps	25 or 16 fps	30 fps

Common Specifications

Digital Interface	Gigabit Ethernet
Transfer Rate	1000 Mbps
Scanning System	Progressive Scan
Shutter Type	Global Shutter
Data Path	8 or 12 bit B/W (YUV 4:2:2 / YUV 4:1:1)
Binning	2x2 (Mono only) * Color/Mono is available for IMx-720G
ROI	Partial Scan (Unit:4x4)
Trigger	External or Software Trigger with various mode (IMC-770GC / IMC-750GC only S/W trigger)
I/O Port	Ext. Trigger, RS232, Strobe (6-pin)
Memory Save/Load	9 Channels (0:factory, 1~4:feature, 5~8:mode/feature)
SIO(RS-232)	Pass through or IMI-Tech Command
Gain Control	0 ~ 18 dB (Manual or Auto)
Shutter Speed	1 µsec ~ 3600 sec
Control Functions	Brightness, Sharpness, Gamma, Auto-gain, Auto-Exposure, Auto-Shutter, (Saturation, Auto White Balance, Hue)
Lens Mount	C/CS Mount
Operating Temp.	-5°C ~ 45°C
Storage Temp.	전준회-30°C ~ 60°C
Supply Voltage	DC 8V ~ DC 30V
Power Consumption	Max. 2.7W@12VDC
Dimension	IMx-7011G~7018G: 40(W)x40(H)x48(D)mm(without Lens Adapter) IMx-7050G, IMx-7028G: 50(W)x50(H)x52.1(D)mm(without Lens Adapter)
Weight	< 58g

* All specifications are subject to change without notice.

