

INDUSTRIAL CAMERAS

- ⦿ Low power consumption design with optimized heat dissipation
- ⦿ Supports dual triggering for more flexible simultaneous triggers
- ⦿ Trigger buffer support to reduce the risk of frame loss
- ⦿ Customizable CS-mount available, optional model without PoE

iCentral Series



Area Scan Cameras

► Main Features

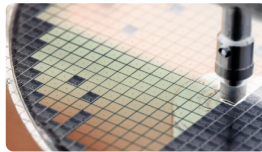
- Flexible resolution options from 0.3MP to 26.2MP
- Capture high-speed motion with frame rates of up to 525 FPS
- Low-power, Low-heat Fanless Design for Longer Lifespan
- Global and Rolling Shutter options available
- GigE interface with PoE support
- USB 3.0 interface with up to 10Gbps bandwidth and support for USB power supply



► Applications



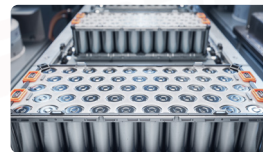
Automotive Industry



Semiconductor Inspection



Medical Packaging Check



Lithium Battery Industry



Photovoltaic Industry

Hardware Specifications

Series	High Sensitivity Series	General Industrial Series	High Resolution Series	Large Format High Resolution Series
Resolution	0.37 MP	1.3~5 MP	6.3~20 MP	12.3~26.2 MP
Frame Rate	125~525 FPS	23~249 FPS	5.9~60 FPS	4.5~30.7 FPS
Sensor	IMX287 / IMX297	IMX249 / IMX250 / IMX264 / IMX265 / IMX273 / IMX296 / IMX430 / GMAX4002	IMX178 / IMX183 / IMX226 / IMX267 / GMAX2424 / AR2020	IMX304 / IMX540 / IMX541 / GMAX3412 / GMAX0505
Sensor Size	1/2.9"	1/2.9"~2/3"	1/2.5"~1"	1.1"~1.2"
Pixel Size	6.9 μm	5.86~3.45 μm	3.45~1.4 μm	3.45~2.5 μm
Interface	GigE / USB 3.0			
Power Supply	9~24V DC (via 6-Pin Hirose connector)			
Lens Mount	C-Mount			

Area Scan Cameras with GigE Interface

► High Sensitivity Series

Model	Sensor	Resolution	Frame Rate (FPS)	Pixel Size (μm)	Sensor Size	Interface	Shutter	Mount
iCt9SM/CG4A-Pro	IMX297	720 x 520	125	6.9	1/2.9"	GigE	Global	C
iCt90M/CG4A-SE	IMX297	720 x 540	123	6.9	1/2.9"	GigE	Global	C
iCt90M/CG4A-Pro	IMX287	720 x 540	310	6.9	1/2.9"	GigE	Global	C
iCt90M/CU4A-Pro	IMX287	720 x 540	525	6.9	1/2.9"	USB 3.0	Global	C
iCt20M/CG4A-SE	SS	720 x 544	308	6.9	1/2.9"	GigE	Global	C

► General Industrial Series

Model	Sensor	Resolution	Frame Rate (FPS)	Pixel Size (μm)	Sensor Size	Interface	Shutter	Mount
iCt9SM/CG20A-Pro	IMX249	1920 x 1200	40	5.86	1/1.2"	GigE	Global	C
iCt00M/CG13A-SE	/	1280 x 1024	92	4.8	1/2"	GigE	Global	C
iCt90M/CG20A-Pro	IMX430	1624 x 1240	60	4.5	1/1.7"	GigE	Global	C
iCt90M/CU20A-Pro	IMX430	1624 x 1240	89	4.5	1/1.7"	USB 3.0	Global	C
iCt20M/CG13A-SE	SS	1280 x 1024	92	4	1/2.7"	GigE	Global	C
iCt10M/CG24A-Pro	GMAX4002	2048 x 1200	49	4	1/1.7"	GigE	Global	C
iCt10M/CG24A-SE	GMAX4002	2048 x 1200	48	4	1/1.7"	GigE	Global	C
iCt10M/CU24A-Pro	GMAX4002	2048 x 1200	150	4	1/1.7"	USB 3.0	Global	C
iCt9SM/CG16A-Pro	IMX296	1440 x 1080	65	3.45	1/2.9"	GigE	Global	C
iCt9SM/CG16A-SE	IMX296	1440 x 1080	65	3.45	1/2.9"	GigE	Global	C
iCt90M/CG16A-Pro	IMX273	1440 x 1080	77	3.45	1/2.9"	GigE	Global	C
iCt90M/CG16A-SE	IMX273	1440 x 1080	77	3.45	1/2.9"	GigE	Global	C
iCt20M/CG16A-SE	SS	1440 x 1088	77	3.45	1/2.9"	GigE	Global	C
iCt90M/CU16A-Pro	IMX273	1440 x 1080	249	3.45	1/2.9"	USB 3.0	Global	C
iCt20M/CG19A-SE	SS	1600 x 1200	62.9	3.45	1/2.6"	GigE	Global	C
iCt90M/CG30A-Pro	IMX265	2048 x 1536	38	3.45	1/1.8"	GigE	Global	C
iCt20M/CG30A-Pro	SS	2048 x 1536	38	3.45	1/1.8"	GigE	Global	C
iCt20M/CG50A-SE	SS	2448 x 2048	23	3.45	2/3"	GigE	Global	C
iCt20M/CG50A-Pro	SS	2448 x 2048	24	3.45	2/3"	GigE	Global	C
iCt90M/CG50A-Pro	IMX264	2448 x 2048	24	3.45	2/3"	GigE	Global	C
iCt9SM/CU50A-Pro	IMX264	2448 x 2048	68.2	3.45	2/3"	USB 3.0	Global	C
iCt20M/CU50A-Pro	SS	2448 x 2048	75	3.45	2/3"	USB 3.0	Global	C
iCt90M/CU50A-Pro	IMX250	2448 x 2048	75	3.45	2/3"	USB 3.0	Global	C

► High Resolution Series

Model	Sensor	Resolution	Frame Rate (FPS)	Pixel Size (μm)	Sensor Size	Interface	Shutter	Mount
iCt90M/CG90A-Pro	IMX267	4096 x 2160	13.7	3.45	1"	GigE	Global	C
iCt9SM/CU90A-Pro	IMX267	4096 x 2160	41.6	3.45	1"	USB 3.0	Global	C
iCt00M/CG100A-Pro-K	/	4096 x 2460	11.9	3.45	1"	GigE	Global	C
iCt90M/CG60A-Pro	IMX178	3072 x 2048	19	2.4	1/1.8"	GigE	Rolling	C
iCt90M/CU60A-Pro	IMX178	3072 x 2048	60	2.4	1/1.8"	USB 3.0	Rolling	C
iCt10M/CG200A-Pro	GMAX2424	5472 x 3648	6	2.4	1"	GigE	Rolling	C
iCt9SM/CG200A-Pro	IMX183	5472 x 3648	5.9	2.4	1"	GigE	Rolling	C
iCt9SM/CU200A-Pro	IMX183	5472 x 3648	19.1	2.4	1"	USB 3.0	Rolling	C
iCt70M/CG50A-SE	AR0521	2592 x 1944	23	2.2	1/2.5"	GigE	Rolling	C
iCt90M/CG120A-Pro	IMX226	4024 x 3036	9.7	1.85	1/1.7"	GigE	Rolling	C
iCt90M/CG120A-SE	IMX226	4024 x 3036	9.8	1.85	1/1.7"	GigE	Rolling	C
iCt90M/CU120A-Pro	IMX226	4024 x 3036	31.7	1.85	1/1.7"	USB 3.0	Rolling	C
iCt70M/CG200A-Pro	AR2020	5120 x 3840	5.9	1.4	1/1.8"	GigE	Rolling	C
iCt70M/CU200A-Pro	AR2020	5120 x 3840	19.6	1.4	1/1.8"	USB 3.0	Rolling	C

► Large Format High Resolution Series

Model	Sensor	Resolution	Frame Rate (FPS)	Pixel Size (μm)	Sensor Size	Interface	Shutter	Mount
iCt9SM/CG120A-Pro	IMX304	4096 x 3000	9.9	3.45	1.1"	GigE	Global	C
iCt9SM/CU120A-Pro	IMX304	4096 x 3000	30.2	3.45	1.1"	USB 3.0	Global	C
iCt10M/CG120A-Pro	GMAX3412	4096 x 3072	9.6	3.4	1.1"	GigE	Global	C
iCt10M/CU120A-Pro	GMAX3412	4096 x 3072	30.7	3.4	1.1"	USB 3.0	Global	C
iCt90M/CG200A-Pro	IMX541	4504 x 4504	5.9	2.74	1.1"	GigE	Global	C
iCt90M/CG240A-Pro	IMX540	5328 x 4608	4.9	2.74	1.2"	GigE	Global	C
iCt10M/CG250A-Pro-K	GMAX0505	5120 x 5120	4.5	2.5	1.1"	GigE	Global	C
iCt10M/CU250A-Pro-K	GMAX0505	5120 x 5120	14.7	2.5	1.1"	USB 3.0	Global	C
iCt10M/CW250A-Pro-K	GMAX0505	5120 x 5120	30	2.5	1.1"	USB 3.0*2	Global	C