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## roduct Brief

### High Resolution G\_Pro Series

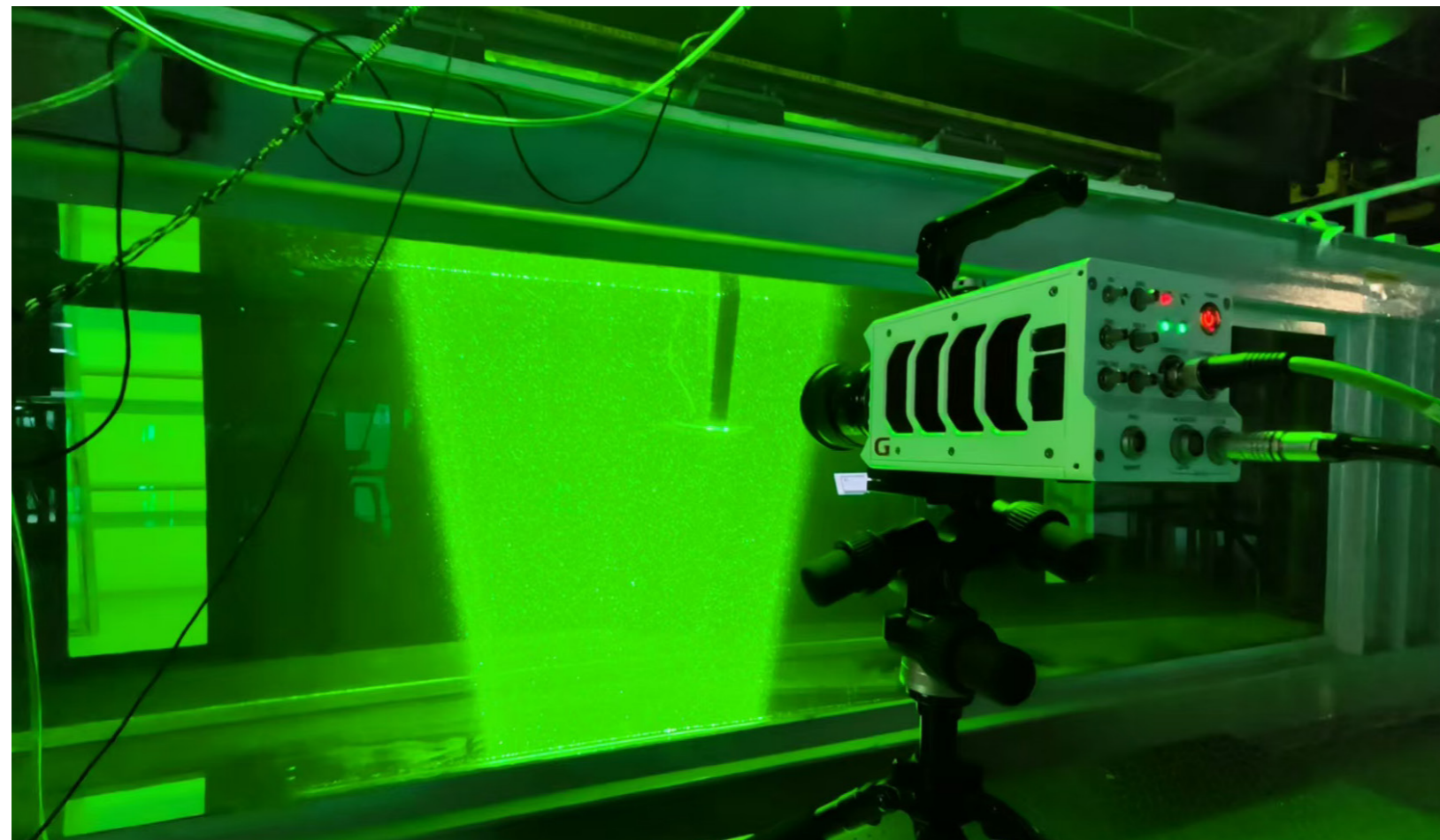
High-resolution G\_Pro Series adopts APS-C format high speed global shutter CMOS image sensor, based on unique light pipe technology,with excellent shutter efficiency and angular response,realizing 21Mpixel,4K resolution,1,000fps acquisition,can be applied inlarge field of view optical, advertising field.

**G2110M/C\_Pro** 5120×4096 @1000 fps

**G820M/C\_Pro** 4096×2048 @2000 fps

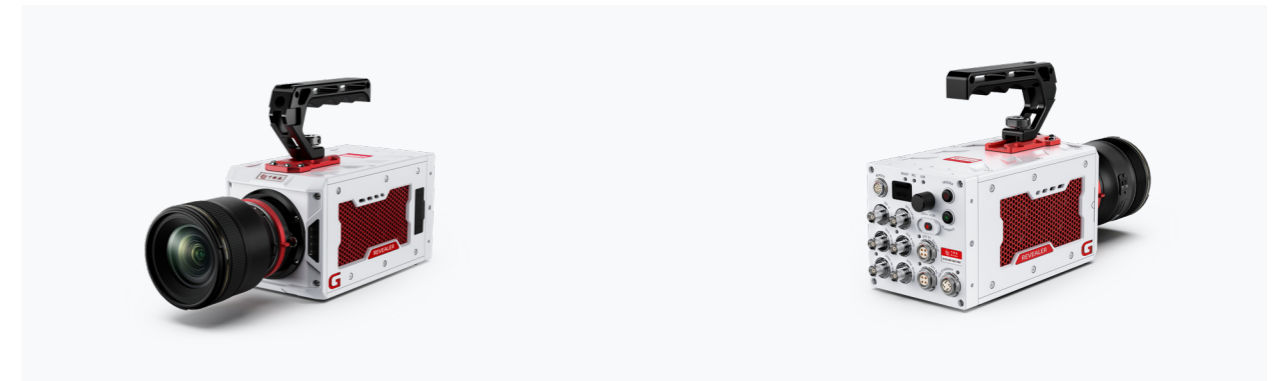
**G536M/C\_Pro** 2560×2016 @3600 fps

**G520M/C\_Pro** 2560×2016 @2000 fps



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## ey Features



High image quality  
**ISP**

High-Speed RAM  
**96/192 GB**

**21M Pixel 24GB/s data bandwidth**



Built-in mechanical shutter



- 10Gb Ethernet
- SDI/HDMI video interface
- IRIG\_B code timing input interface
- Dual power interface 18-28VDC



IP64 protection standard



30Grms @11ms  
3-axes 6-direction  
60 pulses



Anti-transport vibration



**-35° ~ 60°C**

Customizable wide temperature range

Auto EDR



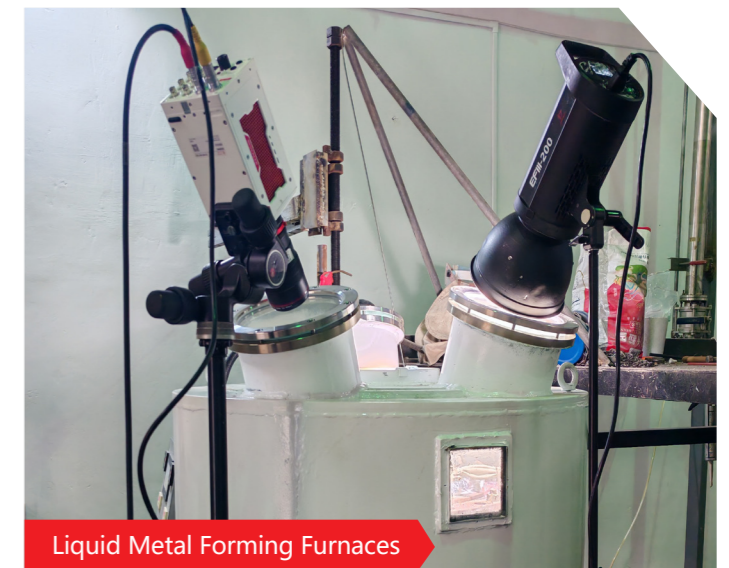
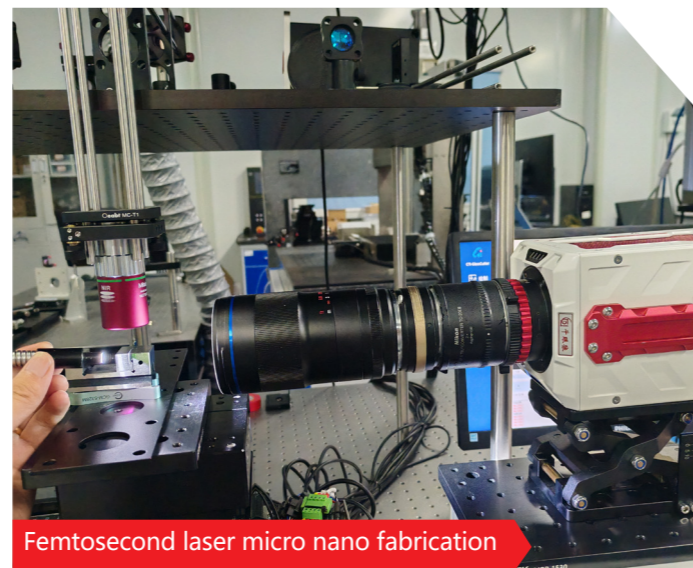
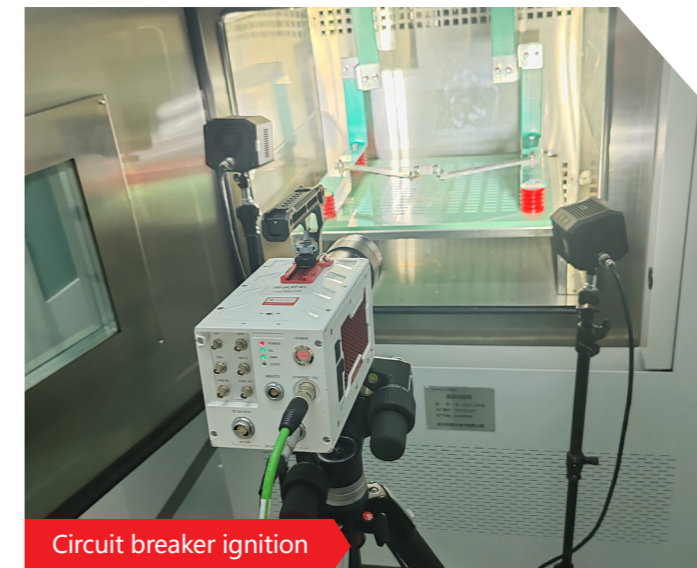
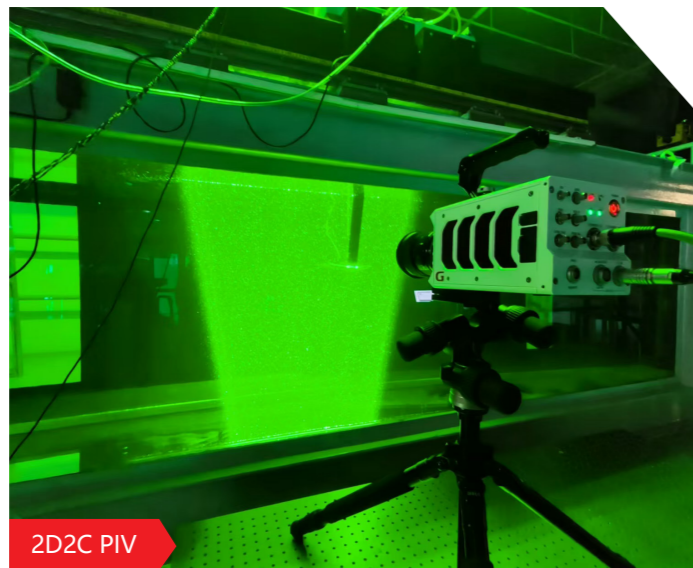
Auto exposure & Double Exposure

**Intelligent Trigger Capture**

**EMC**

EMC protection

# Typical Cases



High Resolution G\_Pro Series

# Product Parameters

## Key parameters

SKU	G520M/C_Pro	G536M/C_Pro	G820M/C_Pro	G2110M/C_Pro
Sensor	CMOS	CMOS	CMOS	CMOS
Depth	8/10 (M) /12 (M) Bit	8/10 (M) /12 (M) Bit	8/10 (M) /12 (M) Bit	8/10 (M) /12 (M) Bit
Resolution	2560×2016	2560×2016	4096×2048	5120×4096
Frame	2000 fps	3600 fps	2000 fps	1000 fps
Max. frame	31700 fps	60000 fps	49100 fps	49100 fps
Min. exposure time	1 μs	1 μs	1 μs	1 μs
PIV	300 ns	300 ns	300 ns	300 ns
AE	Available	Available	Available	Available

## Resolution-Frame- Recording time-8Bit

SKU	G520M/C_Pro		G536M/C_Pro		G820M/C_Pro		G2110M/C_Pro	
	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time
5120×4096	-	-	-	-	-	-	1000	3.80
4096×2048	-	-	-	-	2000	5.50	2000	5.00
2560×2016	2000	8.80	3600	4.40	-	-	-	-
2560×1024	3300	10.70	7400	4.20	3800	9.10	3800	9.10
2560×512	7100	9.80	13500	4.70	7400	9.40	7400	9.40
2560×256	12100	11.70	23000	5.70	13500	10.40	13500	10.40
2560×128	18700	15.50	35400	7.70	23000	12.40	23000	12.40
2560×32	31700	37.90	60000	19.50	49100	24.10	49100	24.10

## Resolution-Frame- Recording time-10Bit

SKU	G520M_Pro		G536M_Pro		G820M/C_Pro		G2110M/C_Pro	
	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time
5120×4096	-	-	-	-	-	-	500	6.70
4096×2048	-	-	-	-	990	8.70	990	8.70
2560×2016	1000	14.60	1980	6.90	-	-	-	-
2560×1024	1900	15.20	3700	7.30	1900	15.20	1900	15.20
2560×512	3600	16.10	6800	8.10	3700	15.60	3700	15.60
2560×256	6200	18.90	11700	9.50	6800	17.10	6800	17.10
2560×128	9700	24.40	18400	12.40	11700	20.10	11700	20.10
2560×32	16800	57.70	32000	29.80	25700	37.40	25700	37.40

## Resolution-Frame- Recording time-12Bit

SKU	G520M_Pro		G536M_Pro		G820M/C_Pro		G2110M/C_Pro	
	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time	Frame rate	Recording Time
5120×4096	-	-	-	-	-	-	250	11.80
4096×2048	-	-	-	-	490	15.40	490	15.40
2560×2016	500	25.10	900	13.50	-	-	-	-
2560×1024	900	27.50	1800	13.30	960	25.70	900	25.70
2560×512	1700	29.20	3200	15.00	1800	27.50	1800	27.50
2560×256	2900	34.40	5500	17.70	3390	29.30	3390	29.30
2560×128	4480	44.80	8500	23.20	5870	34.00	5870	34.00
2560×32	7400	110.00	14000	57.70	13090	61.70	13090	61.70

## Memory

SKU	G520M/C_Pro	G536M/C_Pro	G820M/C_Pro	G2110M/C_Pro
High-Speed RAM	96/192 GB	96/192 GB	96/192 GB	96/192 GB

## Mechanical Specifications

SKU	G520M/C_Pro	G536M/C_Pro	G820M/C_Pro	G2110M/C_Pro
Lens	EF standard,F optional, C optional	EF standard,F optional, C optional	EF standard,F optional, C optional	EF standard,F optional, C optional
Size W×H×D	110×110×205 mm	110×110×205 mm	110×110×205 mm	110×110×205 mm
Weight	≤ 3800 g	≤ 3800 g	≤ 3800 g	≤ 3800 g
Mounting hole	Top Bottom Left and right			
Cooling	Fans	Fans	Fans	Fans

## Electrical Specifications

SKU	G520M/C_Pro	G536M/C_Pro	G820M/C_Pro	G2110M/C_Pro
Electricity supply	24VDC	24VDC	24VDC	24VDC

## Environmental Specifications

SKU	G520M/C_Pro	G536M/C_Pro	G820M/C_Pro	G2110M/C_Pro
Operating temperature	-10° ~50 ° C	-10° ~50 ° C	-10° ~50 ° C	-10° ~50 ° C
Operating humidity	0-95%	0-95%	0-95%	0-95%
Protection level	IP64	IP64	IP64	IP64
Shock	30Grms @11ms	30Grms @11ms	30Grms @11ms	30Grms @11ms
Vibration	3 axes 60 pulses	3 axes 60 pulses	3 axes 60 pulses	3 axes 60 pulses

# Dimension Drawing

G520M/C\_Pro/G536M/C\_Pro/G820M/C\_Pro/G2110M/C\_Pro

