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roduct Brief

Real-time Transmission GR series

The GR series high-speed cameras adopt the CoaXPress 2.0 standard interface, and support real-time image transmission of no less than 4GB/s via CXP12, enabling long-duration high-speed machine vision processing. Featuring a compact and lightweight body with weight ≤ 500g, the camera integrates a global shutter and a minimum exposure time of 1μs, with frame rates ranging from 1000fps to 2200fps.

GR220M/C 1920×1088 @2200fps

GR210M/C 1920×1088 @1000fps

GR120M/C 1024×1024 @2000fps

GR110M/C 1024×1024 @1000fps


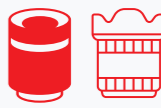






GR508M/C 2560×2016 @800 fps



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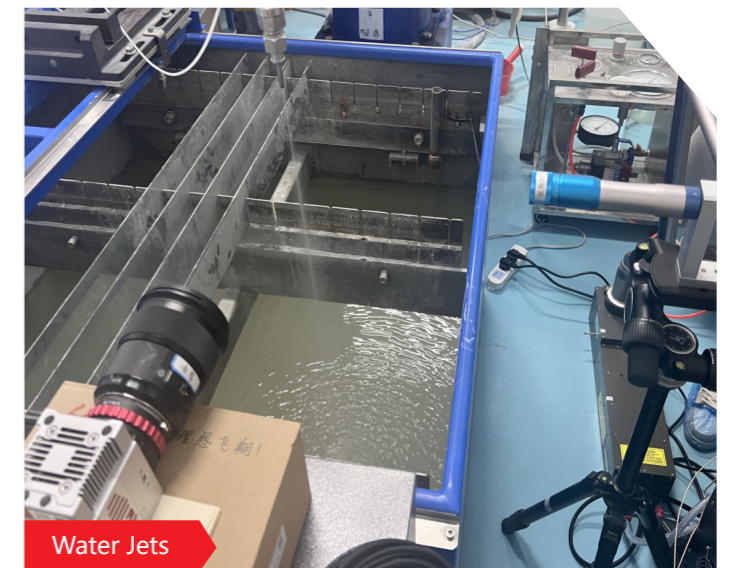
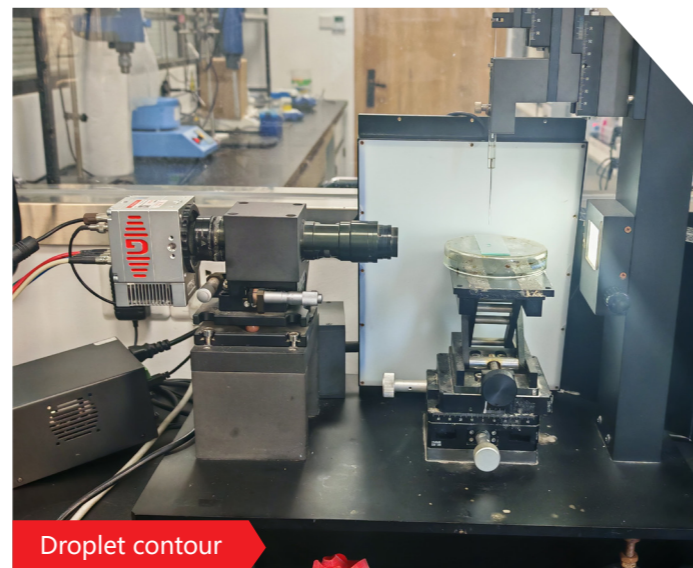
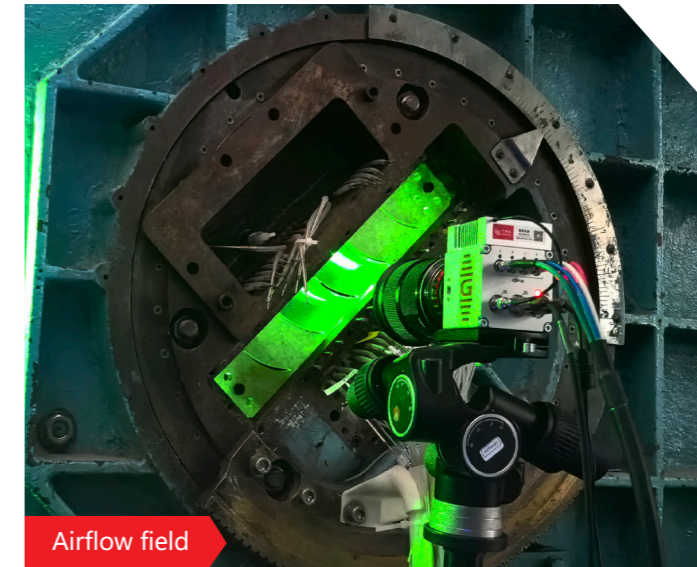
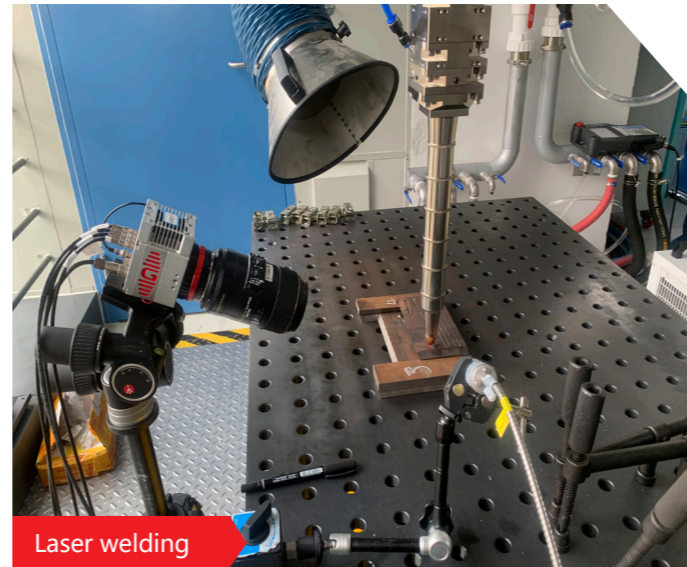
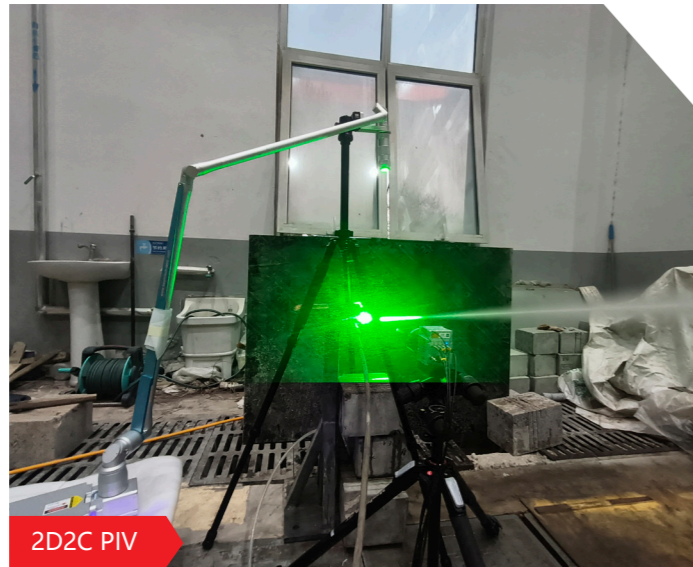
ey Features



Industrial Controller Option 30 TB	Compact size 65×65×61 mm	Light weight design 500 g
 Data storage box	4 GB/s time transmission	 C-mount, F-mount optional
 Auto exposure EDR	 • IRIG_B code timing input interface	 Operating humidity 0-95%
 -20° ~ 60 °C	16 W Direct power supply from CXP cable	 Image intelligent trigger
		 IP64 protection standard

Real-time Transmission GR series

Typical Cases



Real-time Transmission GR series

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roduct Parameters

Key parameters

SKU	GR220M/C	GR210M/C	GR120M/C	GR110M/C	GR508M/C
Sensor	CMOS	CMOS	CMOS	CMOS	CMOS
Resolution @Frame	1920x1088@2200 fps	1920x1088@1000 fps	1024x1024@2000 fps	1024x1024@1000 fps	2560x2016@800 fps
Pixel Size	9 μm	9 μm	9 μm	9 μm	9 μm
Shutter	Global shutter	Global shutter	Global shutter	Global shutter	Global shutter
Min. exposure time	1 μs	1 μs	1 μs	1 μs	1 μs
AE	Available	Available	Available	Available	Available

Memory

SKU	GR220M/C	GR210M/C	GR120M/C	GR110M/C	GR508M/C
Data interface	CXP12x4	CXP12x2	CXP12x2	CXP12x1	CXP12x4
Bandwidth	>4GB/S	>2GB/S	>2GB/S	>1GB/S	>4GB/S
Data Storage	Real-time Storage	Real-time Storage	Real-time Storage	Real-time Storage	Real-time Storage
Industrial controllers optional	7 ~ 30 TB	7 ~ 30 TB	7 ~ 30 TB	7 ~ 30 TB	7 ~ 30 TB
Storage box optional	4TB/8TB/16TB	4TB/8TB/16TB	4TB/8TB/16TB	4TB/8TB/16TB	4TB/8TB/16TB

Mechanical Specifications

SKU	GR220M/C	GR210M/C	GR120M/C	GR110M/C	GR508M/C
Lens	C, F	C, F	C, F	C, F	C, F
Size W×H×D	≤ 65×65×61 mm	≤ 65×65×61 mm	≤ 65×65×61 mm	≤ 65×65×61 mm	≤ 65×65×61 mm
Weight	≤ 500 g	≤ 500 g	≤ 500 g	≤ 500 g	≤ 500 g
Mounting hole	Bottom 1/4×2 Side 1/4×2	Bottom 1/4×2 Side 1/4×2	Bottom 1/4×2 Side 1/4×2	Bottom 1/4×2 Side 1/4×2	Bottom 1/4×2 Side 1/4×2
Cooling	Fans	Fans	Fans	Fans	Fans

Electrical Specifications

SKU	GR220M/C	GR210M/C	GR120M/C	GR110M/C	GR508M/C
Electricity supply	CXP / 24VDC	CXP / 24VDC	CXP / 24VDC	CXP / 24VDC	CXP / 24VDC
Power wastage	≤ 16 W	≤ 16 W	≤ 16 W	≤ 16 W	≤ 16 W

Environmental Specifications

SKU	GR220M/C	GR210M/C	GR120M/C	GR110M/C	GR508M/C
Operating temperature	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C
Operating temperature optional	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C
Operating humidity	0 ~ 95 %	0 ~ 95 %	0 ~ 95 %	0 ~ 95 %	0 ~ 95 %
Protection level	IP64	IP64	IP64	IP64	IP64

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GR220M/C GR210M/C GR120M/C GR110M/C GR508M/C

