

# Product Brief

## Real-time Transmission GR series

Adopted the CXP12 interface, GR series realizes 4GB/s real-time image and data transmission, can be applied to long-time high-speed machine vision image processing in real time.

**GR220M** 1920×1088 @2200fps

**GR210M** 1920×1088 @1000fps

**GR120M** 1024×1024 @2000fps

**GR110M** 1024×1024 @1000fps



# Key Features



Industrial Controller Optional

**30TB**

Compact size

**65×65×61mm**

Light weight design

**500g**



Data storage box

**4GB/s Real time transmission**

Auto EDR



Auto exposure EDR



• IRIG\_B code timing input interface



C-mount, F-mount optional



**-20° ~ 60°C**



Operating humidity 0-95%

**16W**  
Direct power supply from CXP cable

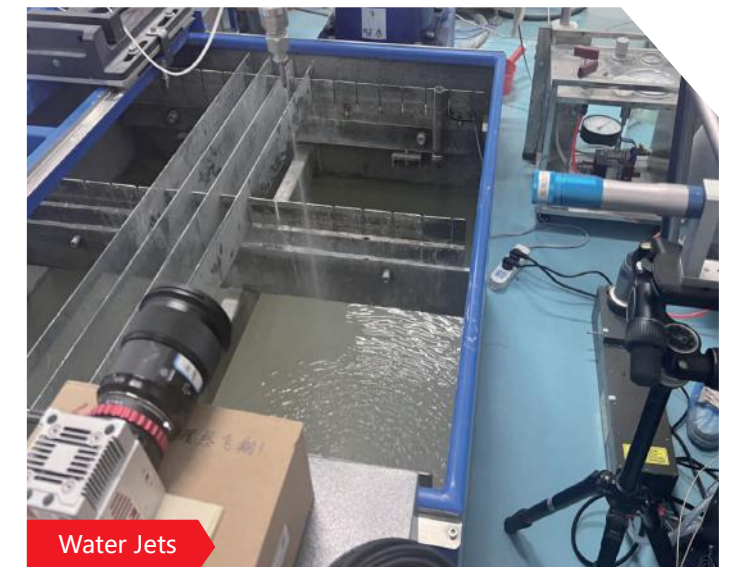
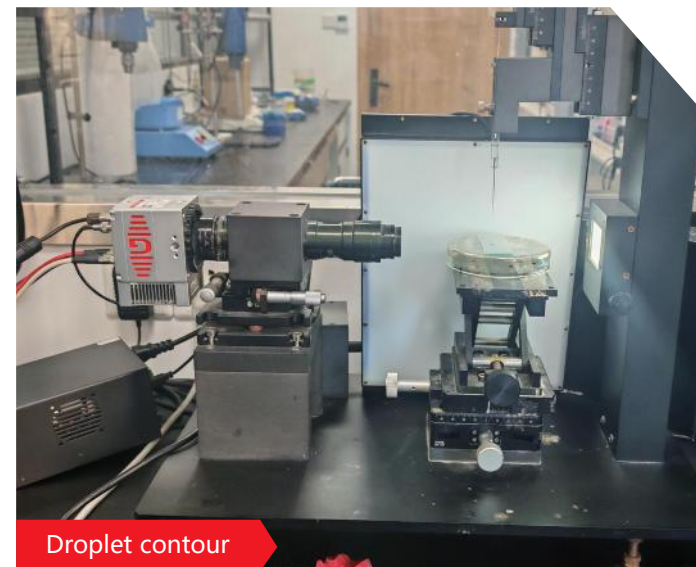
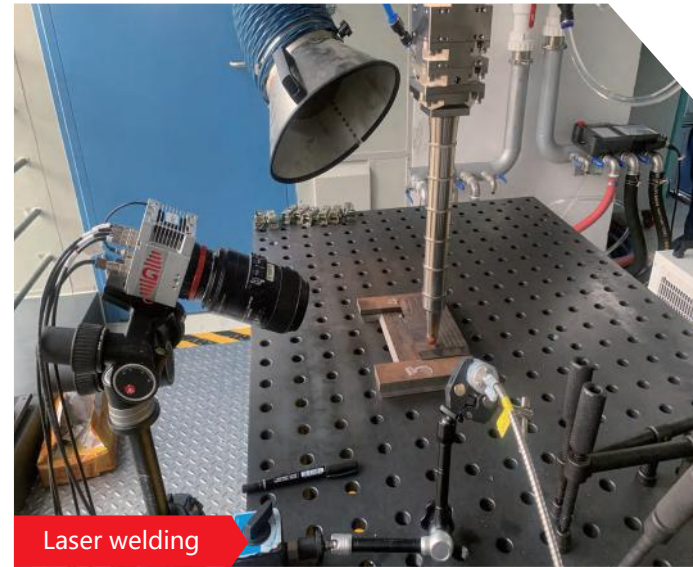
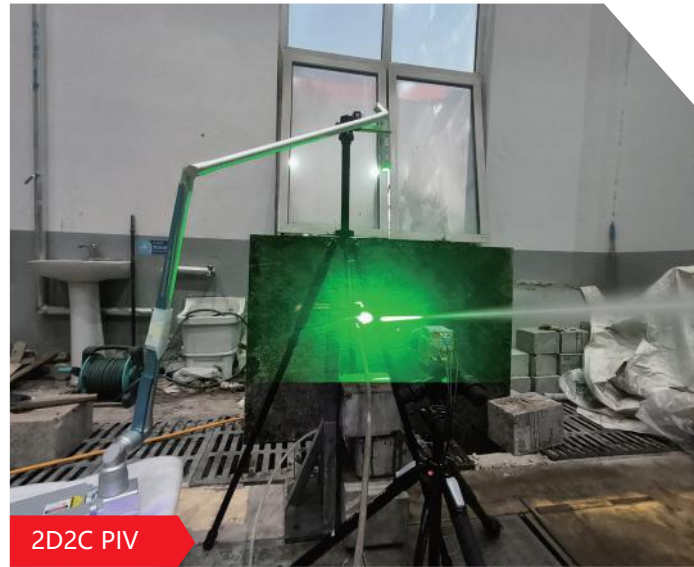
Image intelligent trigger



IP64 protection standard



# Typical Cases



# Product Parameters

## Key parameters

SKU	GR220M	GR210M	GR120M	GR110M
Sensor	CMOS	CMOS	CMOS	CMOS
Resolution @Frame	1920×1088 @2200fps	1920×1088 @1000fps	1024×1024 @2000fps	1024×1024 @1000fps
Shutter	Global shutter	Global shutter	Global shutter	Global shutter
Min. exposure time	1μs	1μs	1μs	1μs
AE	Available	Available	Available	Available

## Resolution-Frame- Recording time

SKU	GR220M	GR210M	GR120M	GR110M
Data interface	CXP12×4	CXP12×2	CXP12×2	CXP12×1
Bandwidth	>4GB/s	>2GB/s	>2GB/s	>1GB/s
Industrial controllers optional	7~30TB	7~30TB	7~30TB	7~30TB
Storage box optional	2TB	2TB	2TB	2TB

## Mechanical Specifications

SKU	GR220M	GR210M	GR120M	GR110M
Lens	C,F	C,F	C,F	C,F
Size W×H×D	≤65×65×61mm	≤65×65×61mm	≤65×65×61mm	≤65×65×61mm
Weight	≤500g	≤500g	≤500g	≤500g
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
Cooling	Fans	Fans	Fans	Fans

## Electrical Specifications

SKU	GR220M	GR210M	GR120M	GR110M
Electricity supply	CXP cable powered	CXP cable powered	CXP cable powered	CXP cable powered
Power wastage	≤16W	≤16W	≤16W	≤16W

## Environmental Specifications

SKU	GR220M	GR210M	GR120M	GR110M
Operating temperature	0~40°C	0~40°C	0~40°C	0~40°C
Operating humidity	0~95%	0~95%	0~95%	0~95%
Protection level	IP64	IP64	IP64	IP64

# Dimension Drawing

GR220M/GR210M/GR120M/GR110M

