

High Speed Camera

S1310

S Ultra-High-Speed series are high-end and high-quality cameras for high-precision scientific research, aerospace and high-speed industrial fields, with top performance parameters, special features and powerful data acquisition, storage and processing capabilities.



Core Features

- Support ROI acquisition window setting, support resolution, frame rate linkage adjustment
- Support auto exposure, EDR secondary exposure
- Supports internal and external synchronization
- Support rising edge, falling edge, low level, high level and other external signal triggering
- Supports automatic triggering of image changes within a 10x10 pixel area
- Standard shutter release cable to control shooting and saving, one-touch recording function
- With automatic white balance, dark field correction, intelligent denoising, Gamma correction, color optimization module
- SDI video output supports real-time screen preview and slow playback in the export preview state (select settings)
- Supports PIV cross-frame exposure for non-contact measurement of PIV, PTV, etc.

Typical Application

- Hopkinson's rod
- High-speed water jets, fluid dynamics
- High voltage discharge
- Precision time measurement
- Non-contact measurement of high-frequency vibration displacement, etc

Specification

Resolution	1280×1024	
Bit Depth	10Bit	
Frame Rate	Resolution	FPS
	1280*1024	10,000fps
	1280×720	14,500fps
	1280×512	20,000fps
	1280×8	800,000fps
RAM Storage	192GB	
SSD Storage	1TB/2TB/ 10TB/20TB(optional)	
USB Interface	USB 3.0	
Mini. Exposure Time	100ns	
Shutter	Global Shutter	
Color	Mono / Color	
ROI	Support	
Auto Exposure	Support	
IRIG-B	Support	
Ethernet	1Gigabit + 10GbE Dual Interface	
Video Output	SDI	
Size (without lens)	110x110x205mm	
Weight	≤3800g	

SERVICE

- Free warranty, free online demo, free solutions
- One month fast repair within the warranty period, will provide a substitute device if can not repair it within this time