

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 | 96/192GB | |
| SSD Storage | 1TB/2TB/ 10TB(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 | |



CONTACT US

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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