

High Speed Camera

NEO 20

NEO 20 is high-end, high-quality Ultra-High-Speed camera for high-precision, aerospace, high-speed industrial fields, with top performance parameters, features and powerful data acquisition, storage and processing capabilities, data loan up to 30GB/S, can achieve the highest million frames of the acquisition rate.



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 in a very small 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

- High-speed water jets, fluid dynamics
- High voltage power generation, Lightning strike experiments
- Precision time measurement
- Non-contact measurement of high-frequency vibration displacement, etc
- Laser Printing Research, Hopkinson's rod

Specification

Resolution	1280×1024	
Bit Depth	10Bit	
Frame Rate	Resolution	FPS
	1280*1024	20,000fps
	1280×720	28,800fps
	1280×256	80,000fps
	1280×16	860,000fps
RAM Storage	320GB	
Sensor	BIS CMOS	
Pixel Size	20um*20um	
Mini. Exposure Time	150ns	
USB Interface	USB 3.0	
Color	Mono / Color	
ROI	Support	
Auto Exposure	Support	
Dynamic Range	55dB	
Ethernet	1Gigabit + 10GbE Dual Interface	
Video Output	SDI	
Size (without lens)	125x125x210mm	
Weight	≤4600g	

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