

Ultra High-speed Series

HIGH-SPEED CAMERA



SH6-503S

2560 x 1920 3000fps

2560 x 8 509000fps

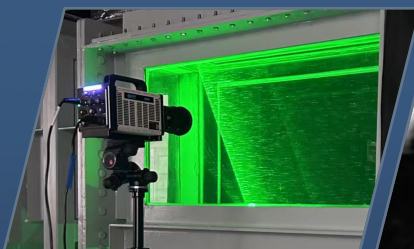
64 Memory Segments
Up to 24TB Onboard Storage

280 ns Inter-frame Time (PIV)

Standard 10GbE Data Interface
Backward Compatible with 2.5GbE
and Gigabit Ethernet

AE / EDR
Key Frame Location in 5 Seconds

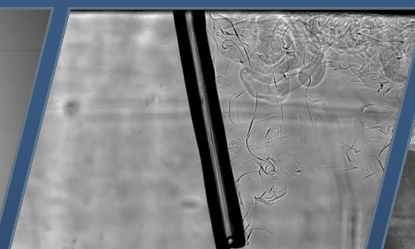
SH6-503s is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields, and inherits the excellent genes of SinceVision product family for strict quality control. Through careful polishing of the product, the appearance, structure and performance are presented to the extreme excellence. It not only has a data bandwidth of 140Gbps, but also supports a maximum of 24TB of optional memory to meet the needs of long-term recording.



Research: PIV



Industry: Crack extension



Research: Schlieren
experiment



Industry: Laser welding

SH6-503S

Resolution		Frame Rate (fps)	Standard Memory(s)			
H×V	FPS	40GB	80GB	160GB	320GB	
2560×1920	3000	2.9	5.8	11.6	23.3	
2560×1280	4500	2.9	5.8	11.6	23.3	
2560×1024	5600	2.9	5.8	11.7	23.4	
2560×512	11200	2.9	5.8	11.7	23.4	
2560×256	22200	2.9	5.9	11.8	23.6	
2560×64	85500	3	6	12	24	
2560×8	509000	4	8	16	32	

※ The recording durations in the above table are calculated based on an 8-bit image bit depth ;

※ The HDD Version supports real-time, full-frame rate recording at full-frame sensor resolution ;

Max. Resolution	2560×1920
Full Frame Rate	3000fps
Max. Frame Rate	509000fps
Min. Exposure Time	100ns
Cell Size	7.8μm
Shutter	Global shutter
Bit Depth	8bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO67000(M)/ISO23000(C)
Dynamic Range	60dB
Double exposure time PIV	280ns
Analog Gain	×2, ×4, ×8
Standard RAM	40GB/80GB/160GB/320GB
Extended Memory	4TB/12TB/24TB
Window Acquisition(ROI)	Support
Recording Mode	Start, End, Center, Random, Manual
Dimensions	210D×110W×110H , excluding protrusion parts
Camera Weight	3.8kg
Lens Mount	E Port (Adapt to F/C/EF mount)
Power Consumption	DC24V, 55W, dual power supply
Operating Temperature	Standard -10~50℃, customizable -40~65℃ wide temperature range version
Heat Dissipation	Air cooling with fan, which can be turned on and off, and can adapt the rotation speed according to the temperature.

Camera I/O Interface



Video Signal Output: Ethernet, 3G-SDI

Data Interface: 10 Gigabit Ethernet, compatible with 2.5Gbps, 1Gbps

Input Signal: Trigger signal, sync signal, ready signal, IRIG-B

Output Signal: Trigger signal, sync signal, ready signal

**7 X 24 Hours
Technical Support**

E-mail: info@sincevision.com

Service covering:

South Korea, Vietnam, Thailand, Malaysia, Singapore,
United Kingdom, France, Italy, Spain, Germany



SinceVision's LinkedIn Account



SinceVision's YouTube Account



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