

Ultra High-speed Series

HIGH-SPEED CAMERA



SH6-501

2560×2016 1000FPS

2560×32 14000FPS

Support up to 24TB
non-volatile storage

IRIG-B timing
IRIG-B sync

Standard 10GbE data transmission
interface, compatible with 2.5G and
Gigabit network transmission

Support intelligent image triggering
Automatic trigger with image change

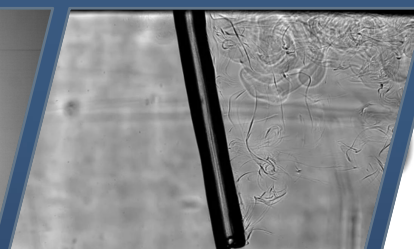
SH6-501 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields. It has an effective bandwidth of 50Gbps and excellent imaging quality by adopting special customized sensors and unique circuit design. At the same time, it has rich extensible interfaces, which makes high-speed imaging applications more possible.



Automobile: Automobile
collision



Industry: Crack extension



Research: Schlieren
experiment



Industry: Motion of
textile machine

SH6-501

Resolution	Frame Rate (fps)	Standard Memory(s)				Expandable Memory(min)		
H×V	FPS	40GB	80GB	160GB	320GB	4TB	12TB	24TB
2560×2016	1000	8	16	33	66	13	40	81
2560×1536	1400	7	15	31	62	12	38	76
2560×1280	1600	8	16	32	65	13	40	80
2560×512	3000	10	21	43	87	17	53	106
2560×256	4500	14	29	58	116	23	71	142
2560×128	5600	23	46	93	187	38	114	228
2560×32	14000	37	74	149	299	60	182	365

※ 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	2560×2016
Full Frame Rate	1000fps
Max. Frame Rate	14000fps
Min. Exposure Time	1μs
Cell Size	9μm
Shutter	Global shutter
Bit Depth	8bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO10000(M)/ISO3000(C)
Dynamic Range	64dB
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°C, customizable - 40~65°C 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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