

High-speed Camera

Ultra High-speed Series



SH6-109

1280 x 1024 9500fps

1280 x 8 750000fps

Support up to 64 memory
partitions

PIV double exposure time
internal 210ns

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

Support AE/EDR to quickly locate
key frames in 5 seconds

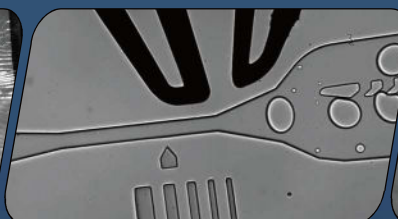
SH6-109 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields, and inherits the excellent genes of SinceVision product family for strict quality control. Through careful polishing of the product, the appearance, structure and performance are presented to the extreme excellence. It not only has a data bandwidth of 100Gbps, but also supports a maximum of 24TB of optional memory to meet the needs of long-term recording.



Research: PIV



Industry: Crack extension



Biomedical: Microfluidics



Military: Shooting

SH6-109

Bit depth		8-bit Recording Time		10-bit Recording Time		
Resolution	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)
1280x1024	9500	27	16	7600	27	16
1280x768	13700	25	15	10000	27	16
1280x512	20600	25	15	16000	26	15
1280x256	40700	25	15	32000	26	15
1280x128	78500	26	15	62000	27	16
1280x32	267000	31	18	213000	31	18
1280x8	750000	44	26	550000	48	29

※ The 320GB version has twice the recording time as 160GB of memory, so as to 80GB version compared to 40GB version;

※ The 12TB version has 3 times the recording time as 4TB of memory. The disc supports real-time writing in full resolution at full frame rate.

Max. Resolution	1280x1024
Full Frame Rate	9500fps
Max. Frame Rate	750000fps
Min. Exposure Time	100ns
Cell Size	14.6μm
Shutter	Global shutter
Bit Depth	8bit/10bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO67000(M)/ISO23000(C)
Dynamic Range	60dB
Double exposure time PIV	≥210ns
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, exposure signal, IRIG-B
Output Signal	Trigger signal, sync signal, ready signal, exposure 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