

High-speed Camera Ultra HD Series



SH6-2101

5120 x 4096 1000fps

5120 x 64 20000fps

5K

Excellent image quality

Rich ISP processing

high definition image quality

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

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

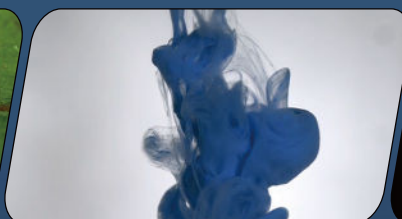
SH6-2101 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields. It has an effective bandwidth of 210Gbps and excellent imaging quality by adopting special customized sensors and unique circuit design. At the same time, it has rich extensible interfaces, which makes high-speed imaging applications more possible.



Research: Flame observation



Research: Droplet falling



Advertisement: Dye into water



Advertisement: Balloon explosion

SH6-2101

Bit depth	8-bit Recording Time			10-bit Recording Time			12-bit Recording Time		
Resolution	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)
5120x4096	1000	16	9	500	26	15	250	43	26
5120x3072	1300	16	10	600	29	17	325	44	26
5120x2048	2000	16	9	1000	26	15	500	43	26
5120x1024	3800	17	10	1800	29	17	900	48	28
5120x640	5800	18	10	2800	29	17	1300	53	32
5120x256	11500	22	13	5500	38	22	2800	62	37
5120x64	20000	52	31	9500	88	52	4700	148	88

※ 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	5120x4096
Full Frame Rate	1000fps
Max. Frame Rate	20000fps
Min. Exposure Time	1μs
Cell Size	4.5μm
Shutter	Global shutter
Bit Depth	8bit/10bit/12bit
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, 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