

Ultra HD Series

HIGH-SPEED CAMERA



SH6-2101

5120×4096 1000fps

5120×64 20000fps

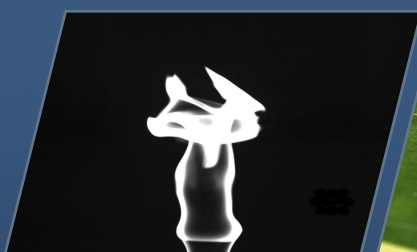
5K Excellent
image quality

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

Resolution	Frame Rate (fps)	Standard Memory(s)				Expandable Memory(min)		
H×V	FPS	40GB	80GB	160GB	320GB	4TB	12TB	24TB
5120×4096	1000	2	4	8	16	3	10	20
5120×3072	1300	2	4	8	16	3	10	20
5120×2048	2000	2	4	8	16	3	10	20
5120×1024	3800	2	4	8	17	3	10	21
5120×640	5800	2	4	9	18	3	11	22
5120×256	11500	2	5	11	22	4	13	27
5120×64	20000	6	13	26	52	10	32	64

※ 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	5120×4096
Full Frame Rate	1000fps
Max. Frame Rate	20000fps
Min. Exposure Time	1μs
Cell Size	4.5μm
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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