

# High-speed Camera Ultra HD Series



## SH6-802

4096 x 2048 2000fps

4096 x 64 20000fps

4K  
high definition image quality

Support intelligent image triggering  
Automatic trigger with image change

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

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

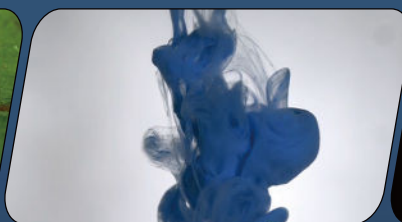
SH6-802 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields. It has an effective bandwidth of 160Gbps and excellent imaging quality by adopting special customized sensors and unique circuit design. At the same time, it has rich extensible interfaces, which makes high-speed imaging applications more possible.



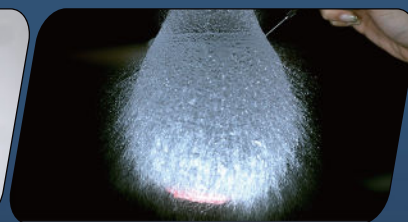
Research: Flame observation



Research: Droplet falling



Advertisement: Dye into water



Advertisement: Balloon explosion

# SH6-802

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)
4096x2048	2000	20	12	1000	32	19	500	54	32
4096x1536	2600	21	12	1300	33	20	600	91	54
4096x1024	3800	21	12	1900	34	20	900	91	54
4096x512	6800	24	14	3400	38	22	1600	102	61
4096x256	11500	28	16	5500	47	28	2800	117	69
4096x128	17000	38	22	8200	63	38	4100	159	95
4096x64	20000	65	39	9800	106	63	4800	273	162

※ 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	4096x2048
Full Frame Rate	2000fps
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](mailto: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