

SMART Series

HIGH-SPEED CAMERA



SH2-201

1920×1080 1200fps

1920×4 110000fps

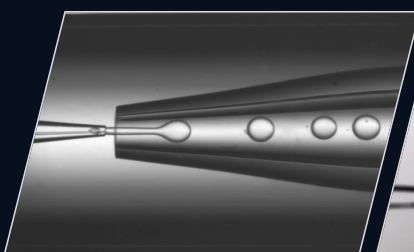
Impact resistance 200G
Extreme size 89*72*72

Up to 2TB of memory in the camera
No data loss in power failure

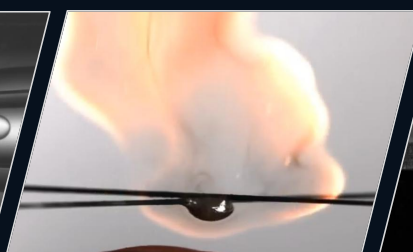
150ns
Double exposure time PIV

680g
Ultra-light weight

SH2-201 SinceVision's smart series high-speed cameras are closely matched with the design and structure of self-developed integrated PCB in hardware, which makes the machine have strong reliability, can resist 200G impact and reach IP64 protection level, and has good environmental adaptability; At the same time, the high-performance storage FLASH particles are used to realize large memory nonvolatile storage in ultra-small cameras, so as to realize power failure without losing data.



Research:
Microimaging



Research: Liquid
combustion



Industry: Cutting



Military: Drone
mounting

SH2-201

Bit depth		8-bit Recording Time		10-bit Recording Time		
Resolution	Frame Rate (fps)	RAM 256GB (s)	Disc 2TB(min)	Frame Rate (fps)	RAM 256GB (s)	Disc 2TB(min)
1920x1080	1200	107	14	900	115	14
1920x720	1800	107	14	1300	119	15
1920x512	2500	109	14	1800	121	15
1920x256	4900	111	14	3500	124	16
1920x128	9600	113	14	7000	124	16
1920x8	82500	211	27	63000	221	28
1920x4	110000	317	41	84000	332	43

※ The The 512GB version provides twice the recording time of the 256GB version, and the 2TB version provides twice that of the 1TB version.

Max. Resolution	1920x1080
Full Frame Rate	1200fps
Max. Frame Rate	110000fps
Min. Exposure Time	100ns
Cell Size	10μm
Shutter	Global shutter
Bit Depth	8bit/10bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO30000(M)/ISO10000(C)
Dynamic Range	60dB
Double exposure time PIV	150ns
Analog Gain	×2, ×4, ×8
Standard RAM	16GB/32GB/64GB/128GB/512GB/1TB/2TB
Window Acquisition (ROI):	Support
Recording Mode	Star, End, Center, Random, Manual
Dimensions	89D×72W×72H, excluding protrusion pars
Camera Weight	730g (E-mount), 680g (C-mount)
Lens Mount	E Port (C mount is optional)
Power Consumption	DC24V, 30W
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.
Protection Level	IP64
Shock Resistance	200G impact ±3 times for 5ms in each direction
Vibration resistance	200Grms, 10-2kHz, in 3-axis direction, for 15 minutes/axis

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, RS422

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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