

SMART Series

HIGH-SPEED CAMERA



SH2-203

1920 x 1080 3200fps

1920 x 4 300000fps

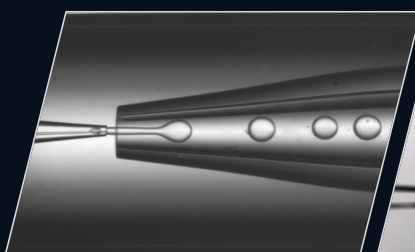
Impact resistance 200G
Extreme size 89*72*72

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

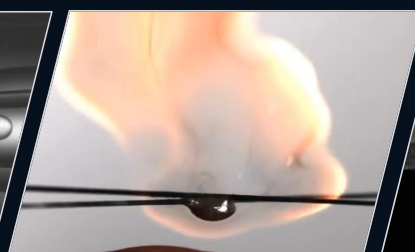
150ns
Double exposure time PIV

680g
Ultra-light weight

SH2-203 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

SH2-203

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	3200	40	5	2500	41	5
1920x720	5400	40	5	4300	36	4
1920x512	7300	40	5	5800	37	4
1920x256	13500	40	5	10500	41	5
1920x128	26200	41	5	20000	43	5
1920x8	224000	78	10	71000	196	25
1920x4	300000	116	15	220000	127	16

※ 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	3200fps
Max. Frame Rate	300000fps
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 parts
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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