

SMART Series

HIGH-SPEED CAMERA



SH2-202

1920×1080 2200fps

1920×4 205000fps

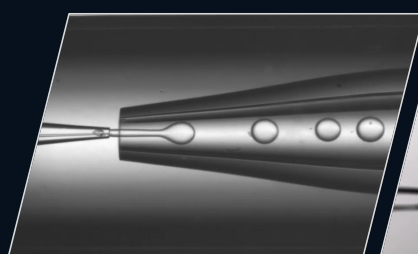
Impact resistance 200G
Extreme size 89*72*72

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

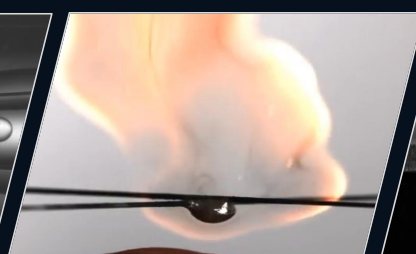
150ns
Double exposure time PIV

680g
Ultra-light weight

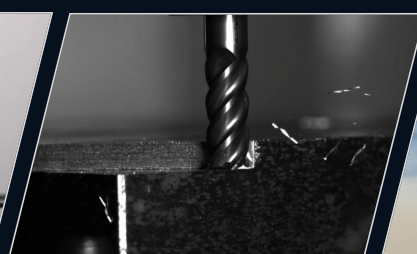
SH2-202 SinceVision's smart series high-speed cameras are closely matched with the design and structure of self-developed integrated PCB in hardware, which makes the machine have strong reliability, can resist 200G impact and reach IP64 protection level, and has good environmental adaptability; At the 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

SH2-202

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	2200	58	7.6	1700	60	7
1920x720	3300	58	7.6	2500	62	8
1920x512	4600	59	7.7	3600	60	7
1920x256	9200	59	7.7	7300	59	7
1920x128	17900	61	7.9	14000	62	8
1920x8	153000	114	14	120000	116	15
1920x4	205000	170	22	160000	174	22

※ 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	2200fps
Max. Frame Rate	205000FPS
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
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SinceVision's
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