

High-speed Camera SMART Series



SH2-202

1920 x 1080 2200fps

1920 x 4 110000fps

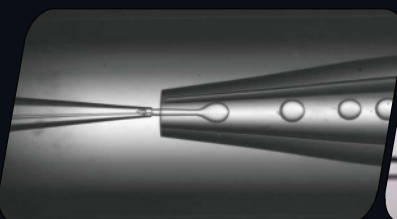
Impact resistance 200G
Extreme size 89*72*72

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

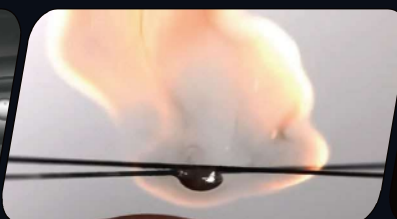
150ns
Double exposure time PIV

680g
Ultra-light weight

SH2-202 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	60	7	1700	62	7
1920x720	3300	60	7	2500	63	8
1920x512	4600	60	7	3600	62	7
1920x256	9200	60	7	7300	61	7
1920x128	17900	62	7	14000	63	8
1920x8	153000	116	14	120000	119	15
1920x4	205000	174	22	160000	178	22

※ The 512GB version has twice the recording time as 256GB of memory, and the 2TB version has twice the recording time as 1TB of memory.

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/64GB/256GB/512GB/1TB/2TB
Window Acquisition (ROI):	Support
Recording Mode	Start, 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, exposure 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



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