High-speed Camera SMART Series

SH2-203

1920 x 1080 3200fps
1920 x 4 300000fps
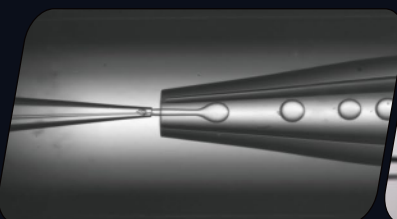
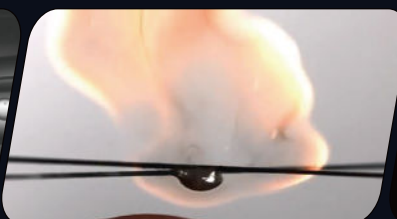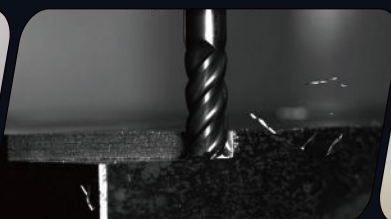|	
Impact resistance 200G Extreme size 89*72*72	Up to 2TB of memory in the camera No data loss in power failure
150ns Double exposure time PIV	680g Ultra-light weight

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.
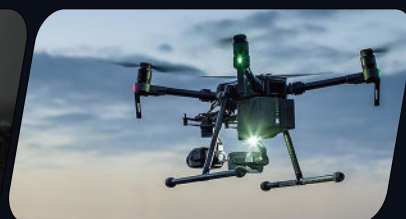
Research: Microimaging

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	41	5	2500	42	5
1920x640	5400	41	5	4300	41	5
1920x480	7300	40	5	5800	41	5
1920x256	13500	41	5	10500	42	5
1920x128	26200	42	5	20000	44	5
1920x32	89000	50	6	71000	50	6
1920x4	300000	119	15	220000	130	16

※ 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	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 explosure 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℃, customizable –40~65℃ 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

SinceVision's LinkedIn Account

SinceVision's YouTube Account