

MINI Series

HIGH-SPEED CAMERA



SH3-502

2560×1920 2000fps
2560×8 365000fps

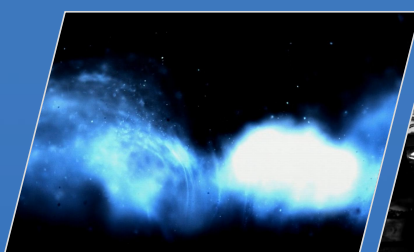
Impact resistance 200G
Sturdy structure

280ns
Double exposure time PIV

Outperforms its competitors
Super large pixel size and superb light sensitivity

Below 10e-
Low noise circuit design

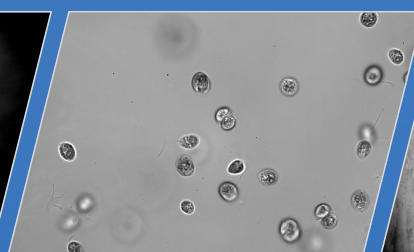
SH3-502 is another masterpiece of MINI series for high-end scientific research and industry in SinceVision's intelligent high-speed camera family, which has a perfect balance of body size and heat dissipation through its 20-layer PCB stacking design and 10Gbps Serdes on-board interconnection technology with fully independent intellectual property rights. At the same time, thanks to the self-developed array parallel storage architecture, the maximum storage in the device can be expanded to 4TB, and the small size also has a big role to play.



Research: Powder
combustion



Research: Battery
explosion B



Biomedicine: Cell
observation



Military Industry:
Blasting test

SH3-502

Bit depth		8-bit Recording Time			10-bit Recording Time			
Resolution	Frame Rate (fps)	RAM 64GB (s)	Real-time disk write frame rate (fps)	Disc 2TB(min)	Frame Rate (fps)	RAM 64GB (s)	Real-time disk write frame rate (fps)	Disc 2TB(min)
2560x1920	2000	6	500	3.5	1000	11	250	5
2560x1440	2700	6	630	3.5	1350	11	315	5
2560x960	4000	6	1000	3.5	2000	11	500	5
2560x512	7500	6	1800	3.5	3750	11	900	5
2560x256	15000	6	3700	3.5	7500	11	1850	5
2560x128	29800	7	7000	3.5	14900	11	3500	5
2560x8	365000	9	120000	4.6	182500	14	60000	7

※ The 128GB version has twice the recording time as 64GB of memory, so as to 32GB version compared to 16GB version;
 ※ The 4TB version has twice the recording time as 2TB of memory, so as to 32GB version compared to 16GB version; The disc supports real-time writing in full resolution at speed of 500fps (8-bit).
 ※ Extended storage time refers to the total duration of recordable video clips.

Max. Resolution	2560x1920
Full Frame Rate	2000fps
Max. Frame Rate	365000fps
Min. Exposure Time	100ns
Cell Size	7.8μm
Shutter	Global shutter
Bit Depth	8bit/10bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO23000(M)/ISO8000(C)
Dynamic Range	60dB
Double exposure time PIV	280ns
Analog Gain	×2, ×4, ×8
Standard RAM	16GB/32GB/64GB/128GB
Extended Memor	2TB/4TB
Window Acquisition (ROI):	Support
Recording Mode	Star, End, Center, Random, Manual
Dimensions	90D×110W×110H , excluding protrusion pars
Camera Weight	<1.8kg
Lens Mount	E Por (Adapt to F/C/EF mount)
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.
Vibration resistance	200G in 3-axis direction

Camera I/O Interface



Video Signal Output: Ethernet

Data Interace: 10 Gigabit Ethernet, compatible with 2.5Gbps, 1Gbps

Input Signal: Trigger signal, sync signal, ready signal, IRIG-B

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



LUNITEK srl
via Variante Aurelia 115 Bis
19038 SARZANA (SP) ITALY
CF/P.IVA 01107260117