

High Speed Camera

SMART Series

Research/Defense/Aerospace**SH2-201**

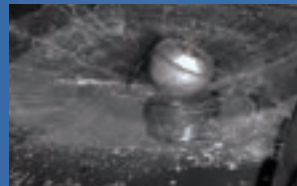
■ Product Description

SH2-201 is another masterpiece of Smart 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. At the same time, thanks to the brand new hardware architecture design, it has good environmental adaptability.

■ Features

- High Definition: 1080P@1000FPS
- Equipped with 10 Gigabit network transmission interface, compatible with Gigabit Ethernet.
- Minimum exposure time 100ns, 210ns dual-exposure time PIV.
- Multiple triggering modes, supporting single recording and multiple event triggering.
- Extreme size design and excellent impact-resistance and seismic-resistance design.

■ Typical Applications

**Mechanical Motion****Welding Detection****Drop Test****Flame Study****Hi-Tech Electronics Pte Ltd**

Tel : (+65) 8855 3883 WhatsApp

Email: sls@hitech.com.sg

High-speed Capture,

Track and Analyse.....

■ Specification

Model	SH2-201
Max. Resolution	1920×1080
Full Frame Rate	1000fps
Max. Frame Rate	135000fps
Min. Exposure Time	100ns
Cell Size	10μm
Standard RAM	16G, 32G, 64G (Optional)
Extended Memory	/
Dynamic Range	60dB
Analog Gain	×2, ×4, ×8
Bit Depth	8bit/10bit/12bit
PIV Shutter	210ns
Color	Monochrome / Color
ROI	Support
Lens Mount	E Port, detachable, adaptable to F Port, C Port, EF Port
Data Interface	10 Gigabit Ethernet, compatible with Gigabit Ethernet
Sensitivity	ISO30000(M) ISO10000(C)
Fan Control	Support turning on / off, adaptive rotary speed according to temperature
Operating Temperature/ Humidity	Standard -10~50°C, below 95%(no condensation), customizable -40~65°C wide temperature range version
Video Signal Output	Ethernet/SDI
Recording Mode	Start, End, Center, Random, Manual
Trigger Mode	Manual, IO, Image
External Signal	Input: trigger (TTL/switch), sync signal, ready signal, event signal, IRIG Output: trigger, sync signal, ready signal
Power Supply	DC24V
Dimensions (excluding lens)	89D×72W×72H, excluding protrusion parts and len mount
Weight	< 0.8kg
Power Consumption	< 30W
Standard Accessories	Power cord×1, AC Adaptor×1, Network cable×1, Camera Control Software×1, Product Manual×1, Qualified Certificate×1

■ Performance

Resolution	Frame Rate	Recording time (memory)			Recording time (hard disk)	
		16GB	32GB	64GB	1TB	2TB
1920×1080	1000FPS	8.2s	16s	32s	8.5min	17.2min
1920×720	1500FPS	8.2s	16s	32s	8.5min	17.2min
1920×512	2000FPS	8.6s	17s	34s	8.7min	17.6min
1920×256	4200FPS	8.3s	16s	32s	8.6min	17.3min
1920×128	8400FPS	8.3s	16s	32s	8.6min	17.3min
1920×8	135000FPS	8.0s	16s	32s	8.6min	17.3min

※ Please refer to the salesperson for the sales of the versions with large memory capacity.

※ The above recording time is based on the grayscale 8 bits.



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