High-speed Camera
High-speed HD Series

SH6-505

2560 x 2016 4500fps
2560 x 32 56000fps
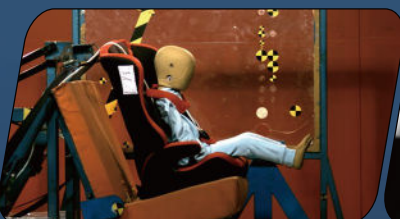
Support up to 24TB non-volatile storage	IRIG-B timing IRIG-B sync.
Standard 10GbE data transmission interface, compatible with Gigabit network transmission	Support intelligent image triggering Automatic trigger with image change

SH6-505 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields. It has an effective bandwidth of 220Gbps and excellent imaging quality by adopting special customized sensors and unique circuit design. At the same time, it has rich extensible interfaces, which makes high-speed imaging applications more possible.
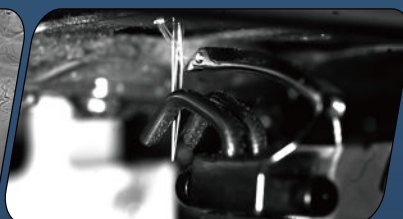
Automobile: Automobile collision   Industry: Crack extension   Research: Schlieren experiment   Industry: Motion of textile machine

SH6-505

Bit depth	8-bit Recording Time			10-bit Recording Time			12-bit Recording Time		
Resolution	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)
2560x2016	4500	14	8	2200	24	14	1125	39	23
2560x1536	5600	15	9	2800	24	14	1400	41	24
2560x1280	6600	15	9	3300	25	15	1650	42	25
2560x512	13000	20	12	6500	32	19	3200	54	32
2560x256	20000	26	15	10000	41	25	5000	69	41
2560x128	27000	38	23	13500	62	37	6700	104	62
2560x32	56000	74	44	28000	119	71	14000	199	119

※ The 320GB version has twice the recording time as 160GB of memory, so as to 80GB version compared to 40GB version;
※ The 12TB version has 3 times the recording time as 4TB of memory. The disc supports real-time writing in full resolution at full frame rate.

Max. Resolution	2560x2016
Full Frame Rate	4500fps
Max. Frame Rate	560000fps
Min. Exposure Time	1µs
Cell Size	9µm
Shutter	Global shutter
Bit Depth	8bit/10bit/12bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO10000(M)/ISO3000(C)
Dynamic Range	64dB
Analog Gain	×2, ×4, ×8
Standard RAM	40GB/80GB/160GB/320GB
Extended Memory	4TB/12TB/24TB
Window Acquisition (ROI):	Support
Recording Mode	Start, End, Center, Random, Manual
Dimensions	210D×110W×110H, excluding protrusion parts
Camera Weight	3.8kg
Lens Mount	E Port (Adapt to F/C/EF mount)
Power Consumption	DC24V, 55W, dual power supply
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.

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
Output Signal	Trigger signal, sync signal, ready signal, exposure 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