

Ultra HD Series

HIGH-SPEED CAMERA



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

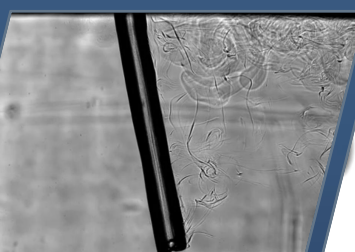
SH6-505 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields. It has an effective bandwidth of 220Gbps and excellent imaging quality by adopting special customized sensors and 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

Resolution	Frame Rate (fps)	Standard Memory(s)				Expandable Memory(min)		
H×V	FPS	40GB	80GB	160GB	320GB	4TB	12TB	24TB
2560×2016	4500	1.8	3.7	7.4	14	3	9	18
2560×1536	5600	1.9	3.9	7.8	15	3	9	19
2560×1280	6600	1.9	3.9	7.9	15	3	9	19
2560×512	13000	2.5	5	10	20	4	12	24
2560×256	20000	3.2	6.5	13	26	5	16	32
2560×128	27000	4.6	9.3	18.7	37	7	22	45
2560×32	56000	8.7	17.4	34.9	69	14	42	85

※ The recording durations in the above table are calculated based on an 8-bit image bit depth ;
 ※ The HDD Version supports real-time, full-frame rate recording at full-frame sensor resolution ;

Max. Resolution	2560×2016
Full Frame Rate	4500fps
Max. Frame Rate	50000fps
Min. Exposure Time	1μs
Cell Size	9μm
Shutter	Global shutter
Bit Depth	8bit
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°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.

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, 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