

High-speed Camera

Ultra High-speed Series



SH6-116

1280 x 1024 15800fps

1280 x 8 1150000fps

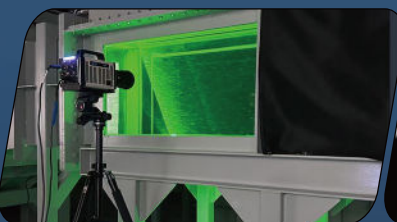
20000FPS
Resolution 1280x808

Support up to 64 memory
partitions

PIV double exposure time
internal 210ns

Standard 10GbE data transmission
interface, compatible with 2.5G and
Gigabit network transmission

SH6-116 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, and inherits the excellent genes of SinceVision product family for strict quality control. Through careful polishing of the product, the appearance, structure and performance are presented to the extreme excellence. It not only has a data bandwidth of 180Gbps, but also supports a maximum of 24TB of optional memory to meet the needs of long-term recording.



Research: PIV



Industry: Crack extension



Biomedical: Microfluidics



Military: Shooting

SH6-116

Bit depth		8-bit Recording Time		10-bit Recording Time		
Resolution	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)	Frame Rate (fps)	RAM 320GB (s)	Disc 12TB(min)
1280x1024	15800	16	9	12000	17	11
1280x808	20000	16	9	16000	16	11
1280x512	31500	16	9	25000	16	11
1280x256	62500	16	10	50000	16	11
1280x128	121000	17	10	96000	17	12
1280x32	410000	20	12	328000	20	14
1280x8	1150000	29	17	900000	29	21

※ 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	1280x1024
Full Frame Rate	15800fps
Max. Frame Rate	1150000fps
Min. Exposure Time	100ns
Cell Size	14.6μm
Shutter	Global shutter
Bit Depth	8bit/10bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO67000(M)/ISO23000(C)
Dynamic Range	60dB
Double exposure time PIV	≥210ns
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, 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