

Ultra High-speed Series

HIGH-SPEED CAMERA



SH6-116

1280 x 1024 15800fps

1280 x 8 1150000fps

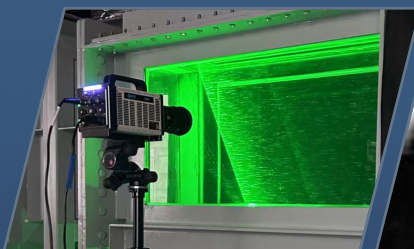
20000FPS
Resolution 1280x808

Support up to 64 memory
partitions

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

PIV double exposure time
interval 210ns

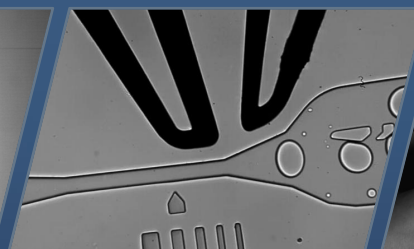
SH6-116 is a full-featured high-speed camera built by SinceVision for high-end scientific research, national defense and military industry, aerospace, high-speed industry and other fields, and inherits the excellent genes of SinceVision product family for strict quality control. Through careful polishing 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

Resolution	Frame Rate (fps)	Standard Memory(s)				Expandable Memory(min)		
H×V	FPS	40GB	80GB	160GB	320GB	4TB	12TB	24TB
1280×1024	15800	2	4	8	16	3	10	20
1280×768	20000	2	4	8	16	3	10	20
1280×512	31500	2	4	8	16	3	10	20
1280×256	62500	2	4	8	16	3	10	20
1280×128	121000	2	4	8	17	3	10	21
1280×32	410000	2	5	10	20	4	12	24
1280×8	1150000	3	7	14	29	5	17	35

※ 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	1280x1024
Full Frame Rate	15800fps
Max. Frame Rate	1150000fps
Min. Exposure Time	100ns
Cell Size	14.6μm
Shutter	Global shutter
Bit Depth	8bit
Color	Monochrome (M)/ Color (C)
Sensitivity	ISO67000(M)/ISO23000(C)
Dynamic Range	60dB
Analog Gain	×2, ×4, ×8
Double exposure time PIV	≥210ns
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



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