

MINI Series

HIGH-SPEED CAMERA



SH3-105

1280 x 1024 5000fps
1280 x 8 365000fps

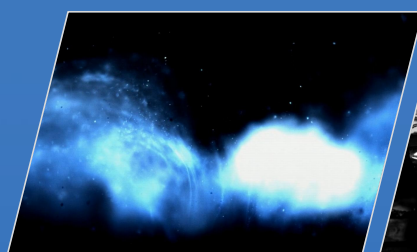
Impact resistance 200G
Sturdy structure

210ns
Double exposure time PIV

Automatic white balance, Intelligent
denoising, Rich ISP processing

Below 10e-
Low noise circuit design

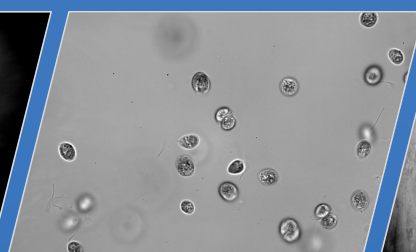
SH3-105 is another masterpiece of MINI series for high-end scientific research and industry in SinceVision's intelligent high-speed camera family, which has a perfect balance of body size and heat dissipation through its 20-layer PCB stacking design and 10Gbps Serdes on-board interconnection technology with fully independent intellectual property rights. At the same time, thanks to the self-developed array parallel storage architecture, the maximum storage in the device can be expanded to 4TB, and the small size also has a big role to play.



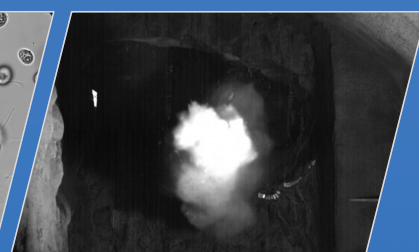
Research: Powder
combustion



Research: Battery
explosion B



Biomedicine: Cell
observation



Military Industry:
Blasting test

SH3-105

Resolution	Frame Rate (fps)	Standard Memory(s)				Expandable Memory(min)	
H×V	FPS	16GB	32GB	64GB	128GB	2TB	4TB
1280×1024	5000	2.6	5	10	20	8	17
1280×768	6700	2.6	5	10	20	8	17
1280×512	10000	2.6	5	10	20	8	17
1280×256	19900	2.6	5	10	21	8	17
1280×128	39000	2.7	5	10	21	9	18
1280×32	131000	3.2	6	12	25	10	21
1280×8	365000	4.6	9	18	36	15	30

※ The recording durations in the above table are calculated based on an 8-bit image bit depth ;

※ The HDD version supports real-time recording at full-frame sensor resolution when the frame rate is reduced to 3000 FPS. ;

Max. Resolution	1280x1024
Full Frame Rate	5000fps
Max. Frame Rate	365000fps
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
Double exposure time PIV	210ns
Analog Gain	×2, ×4, ×8
Standard RAM	16GB/32GB/64GB/128GB
Extended Memor	2TB/4TB
Window Acquisition (ROI):	Support
Recording Mode	Star, End, Center, Random, Manual
Dimensions	90D×110W×110H , excluding protrusion pars
Camera Weight	<1.8kg
Lens Mount	E Por (Adapt to F/C/EF mount)
Power Consumption Operating	DC24V, 30W
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.
Vibration resistance	200G in 3-axis direction

Camera I/O Interface



Video Signal Output: Ethernet

Data Interace: 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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