MICAPS SV3SCMOS500CA

C-mount USB CMOS Cameras

SONY EXMOR/STARVIS CMOS Sensor

SV3SCMOS500CA is USB3.0 interface color Camera for industrial applications, having built-in hardware ISP to ensure color reproduction and higher video speed. The camera resolution coverage is 0.5MP

Features

- Sony EXMOR/STARVIS CMOS sensor
- Two-step noise reduction technology
- Ultra-high sensitivity and low noise
- USB 3.0 data transmission interface compatible with USB2.0 protocol
- Provides advanced video and image processing application software MicroView Supports external triggering, digital I/O and free-running modes
- Supports ROI, flip, bit-depth switching and other features

Applications

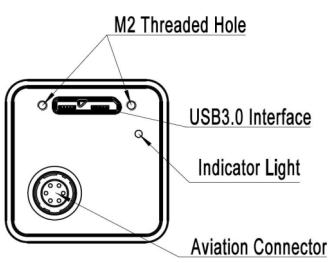
- Scientific research, education (teaching, demonstration and academic exchanges) Digital laboratory, medical research
- Industrial visual (PCB examination, IC quality control)
- Medical treatment (pathological observation)
- Food (microbial colony observation and counting)
- Aerospace, military (high sophisticated weapons)

Model No.	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
SVS3 with 33mmx33mmx33mm housing						
SV3SCMOS500CA	0.5M/IMX433LQJ(C,GS) 1/1.7“ (7.31x5.58)	9.0x9.0	4910mv with 1/30s 0.3mv with 1/30s	166.5fps@812x620	1x1	6us~15s

C: Color, GS: Global Shutter

General Specification

Power supply	Power with USB3.0
Power consumption	<3.0W
Temperature	Working temperature -10~50°C, storage temperature 30~70°C
Platform and architecture	Win32/WinRT/Linux/macOS/Android； X86/X64/armhf/armel/arm64
Size	33mmx33mmx33mm, 38mmx38mmx33mm
Weight	227g
Lens mount	C-mount
Humidity	20%-80%, no condensation
Certification	CE, FCC



Camera Interface

Check out the back of the industrial camera in the figure. It features a standard USB 3.0 output, a 7-pin I/O port with an aviation head, and an on/off indicator. There are also two M2 screw holes on either side of the USB 3.0 port to securethe cable, helping to prevent it from loosening due to vibrations in the field.

LABLINK INSTRUMENTS

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- Plot no 3-6-164/2, 2nd Street, Hyderguda Himayatnagar, Hyderabad (Telangana)India - 500029.

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