# MICAPS SV3SCMOS12000CA

## C-mount USB3.0 CMOS Cameras
## SONY STARVIS CMOS Sensor

SV3SCMOS12000CA 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 12MP.

### Features

- Sony 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

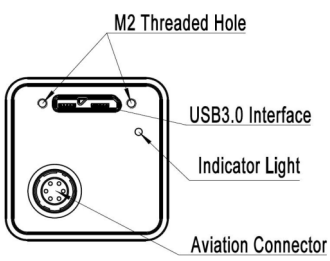
### Applications

- 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<br>Dark Signal | FPS/Resolution | Binning | Exposure |
|---|---|---|---|---|---|---|
| **SVS3 with 33mmx33mmx33mm housing** | | | | | | |
| SV3SCMOS12000CA | 12M/IMX226CQJ(C), RS)<br>1/1.7"(7.52x5.64) | 1.85x1.85 | 3637mv with 1/30s<br>0.15mv with 1/30s | 29.97fps@4064×3046<br>59.94fps@2048×1080 | 1x1<br>2x2 | 400us~15s |

C: Color, RS: Rolling 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**

- Plot no. 337, Sector 2, HSIIDC Saha, Saha, Ambala (Haryana) India - 133104.
- Plot no 3-6-164/2, 2nd Street, Hyderguda Himayatnagar, Hyderabad (Telangana )India - 500029.

**Contact us:**

Email:- info@lablinkinstruments.com
www.lablinkinstruments.com, www.micaps.com