



# MICAPS SV3SCMOS3100CA

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



SV3SCMOS3100CA 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 3.1MP.

### Features

- Sony PREGIUS 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 |                                            |           |                                        |                                       |            |          |
| SV3SCMOS3100CA                   | 3.1M/IMX252LQR(C,GS)<br>1/1.8" (7.07x5.30) | 3.45x3.45 | 1146mv with 1/30s<br>0.15mv with 1/30s | 115fps@2048x1536<br>230.3fps@1024x768 | 1x1<br>1x1 | 15us~15s |

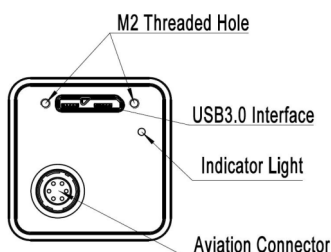
C: Color, GS: Global Shutter

### 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 secure the cable, helping to prevent it from loosening due to vibrations in the field.



### LABLINK INSTRUMENTS

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