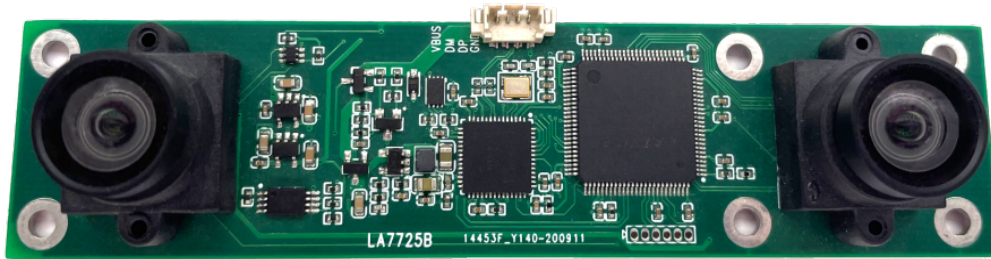


# S2E30CB Binocular Camera Module



- ◆ Resolution: 0.6 MP
- ◆ Frame Rate: 60 fps
- ◆ Mono/Color: Color
- ◆ Shutter: Rolling Shutter
- ◆ Data Interface: USB2.0 Binocular Camera

The S2E30CB binocular industrial camera module has high integration and simple development. It can realize binocular full synchronization acquisition. Compared with using two ordinary cameras to build a synchronization system, the S2E30CB outputs the parameters collected by the two lenses into one picture through FPGA and connects to the computer through a single USB2.0 interface without an acquisition card. It can modify the gain (multiple), exposure time and other parameters in real time synchronization; our company provides a complete SDK and full technical support to help your project land quickly. S2E30CB is suitable for 3D applications, optical zoom applications, and binocular stereo vision measurement applications.

## CHARACTERISTIC

- Customized according to customer requirements to match different application scenarios and structural requirements
- Simultaneously process data acquisition and image display of two channels
- SDK supports secondary development
- Real-time synchronization of parameter modification

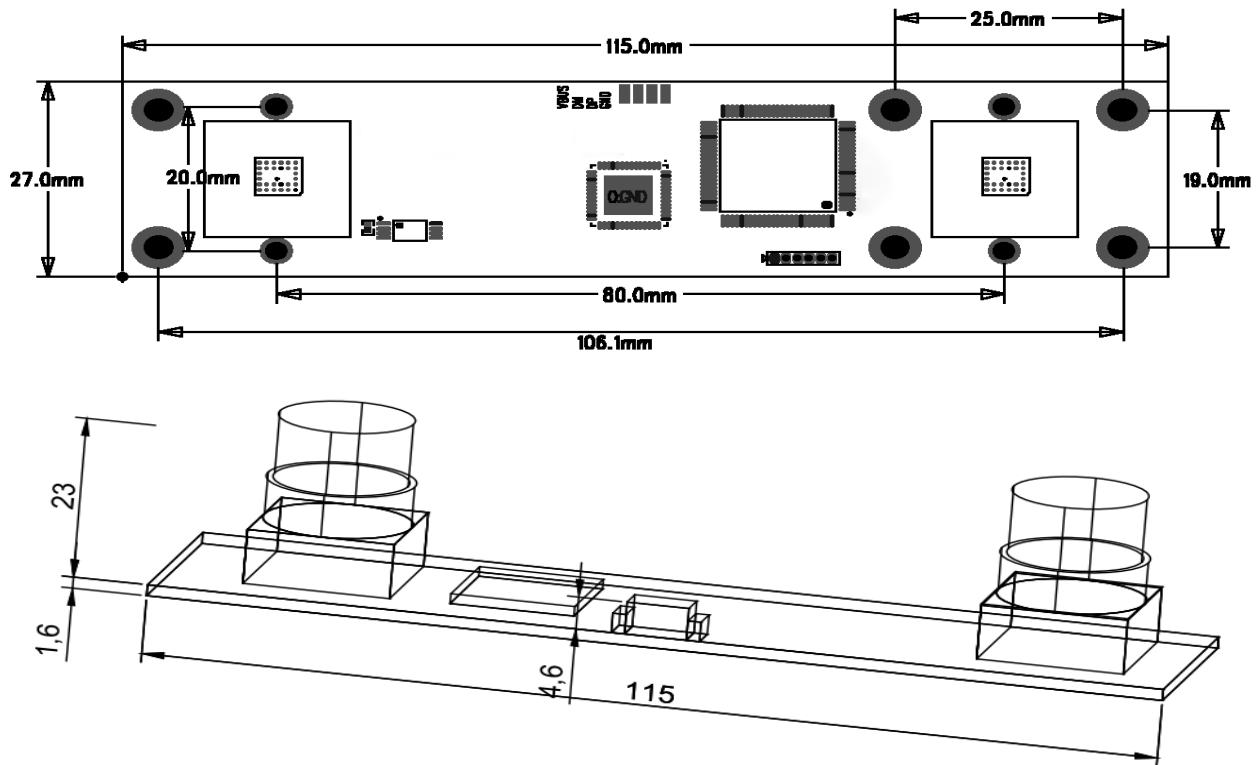
## SELECTION KEYPOINT

- Support Windows, Android, Linux, MacOS
- The effective transmission distance is 5 metres
- Small, suitable for more application scenarios

## TECHNICAL PARAMETER

|                       |   |
|-----------------------|---|
| Model                 | S2E30CB   |
| Resolution            | 0.6MP   |
| Type                  | 0.6MP 1/4" USB2.0 Binocular Camera Module   |
| Sensor Type           | CMOS  |
| Sensor                | OV7725  |
| Mono/Color            | Color   |
| Shutter               | Rolling Shutter   |
| Resolution(HxV)       | 1280x480  |
| Frame Rate            | 60fps   |
| Sensor size           | 1/4"  |
| Pixel size            | 6.0μm x 6.0μm   |
| SNR                   | 50dB  |
| Gain                  | 32dB  |
| Dynamic Range         | 60dB  |
| Exposure Time         | 0.0321-1000ms   |
| Sensitivity           | 1000mV/lux-s  |
| Pixel Bit depth       | 8/10bit   |
| Pixel Format          | Mono 8/10 Bayer 8/10  |
| Binning               | Supports 1×1, 1×2, 2×1, 2×2   |
| Image buffer          | 32M Bytes   |
| User parameter area   | 4K Bytes  |
| Capture mode          | Continuous/Soft trigger/Hard trigger  |
| Data Interface        | USB2.0 @ 480Mbps  |
| transmission distance | 5m  |
| Digital I/O           | I/O: One opto-isolated input, and two opto-isolated output  |
| Power supply          | 5VDC, USB2.0 power supply   |
| Power consumption     | <3.0 W@5 VDC  |
| Dimension             | 115mmx27mmx24.6mm (Including lens and lens mount)   |
| Lens mount            | M12   |
| Weight (typical)      | 30g (Including lens and lens mount)   |
| Temperature           | Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F)<br>Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F) |
| Humidity              | 20% to 80% RH, without condensation   |
| Driver                | DirectShow、Twain、Halcon、OCX   |
| Software support      | Halcon、OpenCV、LabView、Matlab  |
| Development languages | C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python  |
| Operating system      | Windows、Linux、Android、MacOS   |

## MECHANICAL SPECIFICATION



## SPECTRUM CHART