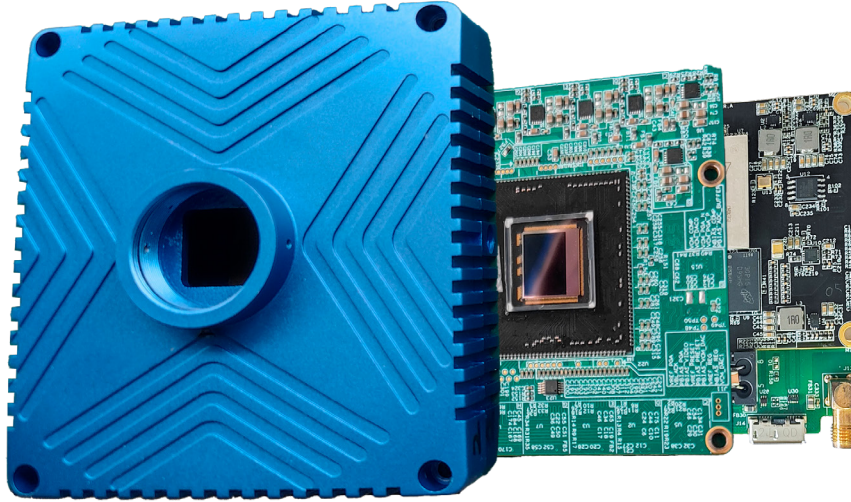


LN130BSI

High-Sensitivity Backside-Illuminated CMOS Image Sensor EVALUATION KIT



Introducing the LN130BSI Evaluation Kit designed specifically to showcase the capabilities of the latest high-sensitivity backside-illuminated CMOS image sensor LN130BSI. The LN130BSI evaluation kit demonstrates the exceptional image quality, low-light capabilities, and functionality that the LN130BSI sensor delivers. Providing a robust platform for in-depth evaluation, the LN130BSI evaluation kit is the perfect tool to validate and integrate the LN130BSI sensor into a diverse range of applications.

SPECIFICATIONS

| LN130BSI | |
|---------------------------|--|
| Resolution [H×V] | 1280 (H) × 1024 (V) |
| Pixel Size [H×V] | 9.5 μm × 9.5 μm |
| Optical Format | 1" (12.16mm * 9.73mm) |
| Shutter Mode | Rolling Shutter |
| Max Frame Rate | 75 fps @14-bit |
| Quantum Efficiency | > 93% @ 560nm |
| Read Noise | < 1.8 e ⁻ |
| Full Well Capacity | > 82k e ⁻ |
| Dynamic Range | > 93 dB |
| Dark Current | < 11e ⁻ /pixel/sec @ Room Temperature |
| ADC Resolution | 14 bit |
| Output | 4-lane LVDS |

EVALUATION KIT

- LN130BSI camera module with FPGA board, image sensor core board
- Power supply and USB cable
- Software and User Manual
- (Optional) C-Mount Lens

KEY FEATURES

- Real-time video output in software
- Raw image output
- Advanced control settings supported: Exposure, capture modes, gain, calibration, windowing (ROI), etc.
- USB-3 interface
- Lens Mount: C-Mount