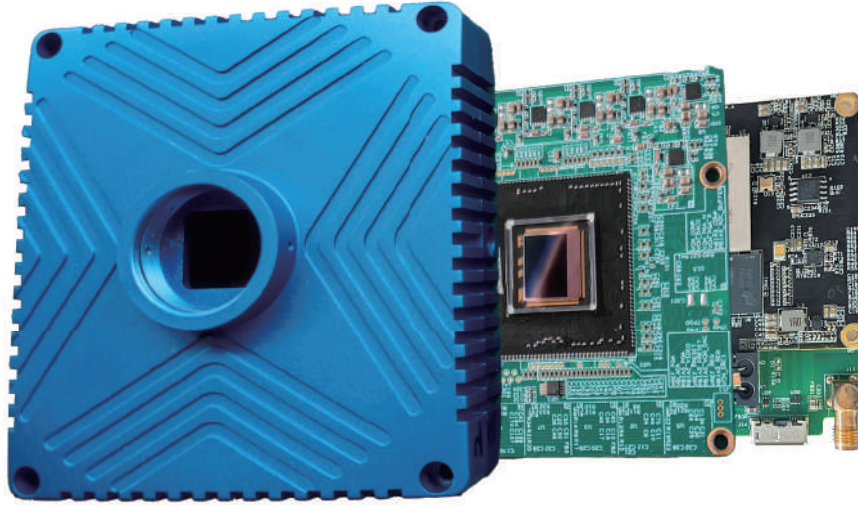


LN130BSI

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" (12.2mm * 10.3mm)
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