



NV39G

GLOBAL SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV39G is a CMOS image sensor with a 39M pixel Global Shutter with a pixel size of 2.7um and an effective pixel array of 7680 columns *5120 rows, which can realize 8bit, 10bit and 12bit data output. Built-in DPC bad spot correction and binning functions, while having the advantages of high resolution, high frame rate and low PLS.

Specification

Item	Parameters
Active Array Size	7680(H)*5120(V)
Pixel Size	2.7um x 2.7um
Lens Size	1.5 Inch
Operating Junction Temperature	-40~85°C
Output Format	RAW8/10/12
PLS	<-96dB
Full Well Capacity	>9.5Ke
Dynamic Range	>66dB
SNR Max	>40dB
Dark Current	<200e ⁻ /s@60°C
QE	>90%@550nm >50%@850nm >30%@940nm



Application (Reference)

Application Scenarios

- Industrial Camera
- Machine Vision
- Motion Monitoring
- High Speed detection

Product Feature

- Dynamic Detection
- High-speed Image Processing
- Low Power consumption
- High Frame rate