



NV25G

GLOBAL SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV25G is a CMOS image sensor with a 25M pixel Global Shutter with a pixel size of 2.7um and an effective pixel array of 5120 columns *5120 rows. The NV25G enhanced near infrared feature has excellent near infrared sensitivity and can reduce the drive energy of infrared LED. External trigger, multi-chip synchronization function, provide on-chip temperature sensor, and flexible, rich configuration functions.

Specification

Item	Parameters
Active Array Size	5120(H)*5120(V)
Pixel Size	2.7um x 2.7um
Lens Size	1.2 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
- Motion Monitoring
- Machine Vision
- High Speed detection

Product Feature

- Built-in Temperature sensor
- Rich Function settings
- High-speed Image Processing
- Multiple Chips work synchronously