

NV02G

Global SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV02G is a 1/2.6-inch 2.3-megapixel Global Shutter CMOS image sensor with a 1928 × 1208 effective pixel array. It supports RAW8/10 and YUV422 formats, featuring external trigger global exposure mode, automatic black level correction, bad pixel correction, windowing, window scaling, horizontal mirroring, and vertical inversion. The sensor delivers low readout noise, high dynamic range, and high frame rates.

Specification

Item	Parameters
Active Array Size	1928(H)*1208(V)
Pixel Size	3.0um*3.0um
Lens Size	1/2.6Inch
Operating Junction Temperature	-30°C~85°C
Output Format	RAW10/RAW8/YUV422
Sensitivity	TBD
Dynamic Range	68.64dB
SNR Max	38.63dB



Application (Reference)

Application Scenarios

- QR Code Scanning Camera
- Obstacle Avoidance Camera for Drones
- Material Handling Robot Camera

Product Feature

- Low Read Noise
- High Dynamic Range
- High Frame Rate