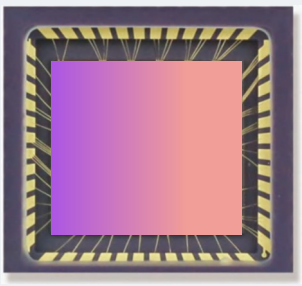

NV013G

GLOBAL SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV013G is a CMOS image sensor with a 1/2-inch 1.3 megapixel Global Shutter, with an effective pixel array of 1280X1024 and a total pixel of 130W. The NV013G chip uses analog and digital dark pixel correction function to improve the dynamic range of the sensor.

Specification

Item	Parameters
Active Array Size	1280(H)*1024(V)
Pixel Size	4.8 um x 4.8 um
Lens Size	1/2 inch
Operating Junction Temperature	–40~85℃
Stable Image Temperature	–10~65℃
Output Format	RAW10
Sensitivity	6.5V/lux.s
Full Well Capacity	12000e^-
Dynamic Range	>60dB
SNR Max	41dB
Frame Rate	210FPS

Application (Reference)

Application Scenarios

- Industrial Camera
- Machine Vision

Product Feature

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

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