



NV03A30

ROLLING SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV03A30 is a 1/2.5-inch 3-megapixel full high-definition CMOS image sensor chip. It features an effective pixel array of 1920 × 1536. This chip supports automotive front-load high-definition AVM applications. The NV03A30 is equipped with DCG + VS exposure technology, supports external synchronization triggering, includes an on-chip temperature sensor, offers excellent low-light imaging capabilities, and provides flexible and extensive configuration functions.

Specification

Item	Parameters
Activ Array Size	1920 (H) *1536 (V)
Pixel Size	3.0um*3.0um
Lens Size	1/2.5Inch
Operating Junction Temperature	-40~125°C
Output Format	RAW10
Sensitivity	8.5V/lux.s
Dynamic Range	120dB
SNR Max	45dB



Application (Reference)

Application Scenarios

- 360° Surround View System
- Surround View System
- Parking Assist System

Product Feature

- Full-Color Night Vision
- High Dynamic range