

NV04R

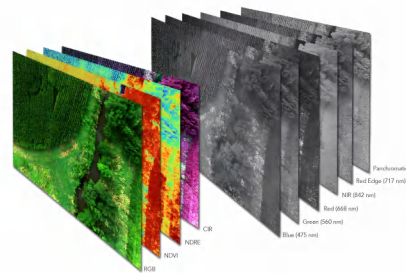
ROLLING SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV04R is a 1.1-inch 4M pixel CMOS image sensor chip. The NV04R adds near-infrared enhancement for excellent low-light night vision. Supports DCG mode, on - and off-chip HDR synthesis.

Specification

Item	Parameters
Active Array Size	2048(H)*2048(V)
Pixel Size	5.94um x 5.94um
Lens Size	1.1 Inch
Operating Junction Temperature	-40~85°C
Output Format	RAW10/12/14/16
Sensitivity	>40V/lux/s@HCG
Full Well Capacity	>63ke ⁻ @LCG
Dynamic Range	>72dB
SNR Max	>47dB@LCG
Dark Current	<100e ⁻ /s@60°C
QE	>90%@550nm >50%@850nm >30%@940nm



Application (Reference)

Application Scenarios

- Ultra-Low Light (<1/1000 Lux)
- Imaging Camera
- Multispectral Camera(Customized)

Product Feature

- HDR
- High SNR
- Near Infrared enhancement
- High Frame rate