



NV02S10

ROLLING SHUTTER CMOS IMAGE SENSOR

CHIEF APPLICATION

The NV02S10 is a 1/3.2-inch 2-megapixel CMOS image sensor chip that uses the BSI process to manufacture an effective pixel array of 1936X1096 chips to support high frame rate applications in full HD. The NV02S10 features a linear exposure mode, near-infrared enhancement, on-chip temperature sensor, excellent dark environment imaging capabilities, and flexible, rich configuration features.

Specification

Item	Parameters
Active Array Size	1928 (H) *1088 (V)
Pixel Size	2.45um x 2.45um
Lens Size	1/3.2 Inch
Operating Junction Temperature	-40~85°C
Output Format	RAW10
Sensitivity	9.4 V/lux.s
Dynamic Range	75.3dB
SNR Max	35.2dB



Application (Reference)

Application Scenarios

- ITS
- Machine Vision
- Motion Monitoring

Product Feature

- Wide Temperature range
- Dark Environment imaging
- Multiple Chips work synchronously
- Image Preprocessing