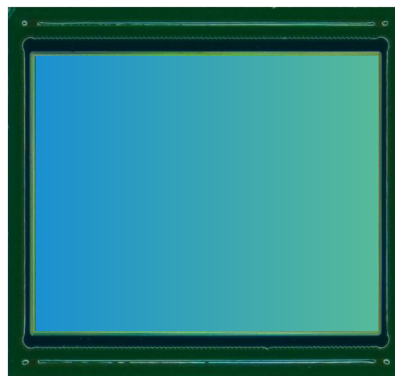


MIA3031

ROLLING SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The MIA3031 is a 1/2.44-inch 3-megapixel Full-HD CMOS image sensor SoC with an effective pixel array of 1920×1536, designed for automotive front-install high-definition AVI applications. It features DCG+VS exposure, supports external synchronization trigger, integrates an on-chip temperature sensor, delivers excellent low-light imaging performance, and offers flexible and rich configuration functions.

规格说明 Specification

项目 Item	参数 Parameters
Active Array Size	1920 (H) * 1536 (V)
Pixel Size	3.0um*3.0um
Lens Size	1/2.44Inch
Operating Junction Temperature	-40~125°C
Output Format	YUV422/RAW
Sensitivity	11.3V/lux.s
Dynamic Range	120dB
SNR Max	44dB

应用场景 Application Scenarios

- 360°环视
360° Surround View
- 高清倒车后视
High-Definition Reverse Camera
- CMS系统
Camera Monitor System

产品特性 Product Feature

- 高灵敏度
High Sensitivity
- 高动态范围
High Dynamic range
- 高信噪比
High SNR
- 高度集成片上ISP
Highly Integrated On-Chip ISP



■ **Chengdu Office** (Product Center - Headquarters)
9-10F, Unit B6-2, AI International Hub, 171# Hele 2nd street, Hi-Tech District, Chengdu, P.R. China
TEL: 028-68669333 WEB: www.imgds.com
E-mail: imgds@imagedesign.com

■ **Shanghai Office** (R&D Center)
497 Gaosi Road, Zhagjiang High Tech Park, Pudong New Area, Shanghai

■ **Shenzhen Office** (Support Center)
3F, tower t2-a, Shenzhen Software Park, No. 22, gaoxinnan 7th Road, Nanshan District, Shenzhen