MIS80W1

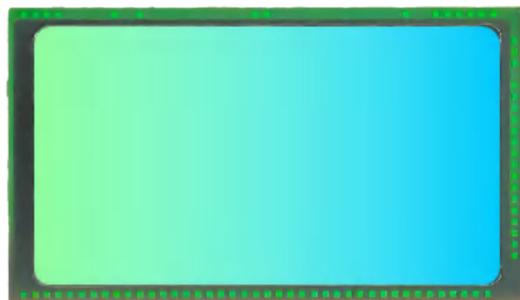## ROLLING SHUTTER CMOS IMAGE SENSOR

产品介绍 CHIEF APPLICATION

The MIS80W1 chip is an image sensor product designed for low-power scenarios (battery-powered or continuously-powered) in the security and surveillance market. Fabricated with advanced BSI technology, it supports 60fps full HD imaging at 8-megapixel resolution. Beyond conventional image sensor features like linear exposure, DOL2, and multi-chip synchronization, this chip integrates an on-board digital ISP and lightweight AI engine. This enables emerging capabilities such as FastAE and ultra-low-power wake-up functionality. Primary applications include but are not limited to: smart doorbells/locks, Face ID panels, consumer-grade IP cameras, dashcams, and video conferencing systems.

规格说明 Specification

项目｜Item	参数｜Parameters
Active Array Size	3840（H）*2160（V）
Pixel Size	1.45um*1.45um
Lens Size	1/2.8 Inch
TEMP Range Operation	-40~85℃
Output Format	RAW10/RAW12
Frame rate	4K 60fps
Dynamic Range	77.4dB
SNR 1s	0.87 lux
QE	75%@520nm 35%@850nm

应用场景 Application Scenarios

- 安防监控 Security Monitoring
- 低功耗Camera Low-power Camera
- 车载摄像头 Vehicle-mounted Camera
- 视频会议 Video Conference

产品特性 Product Feature

- AOV AOV
- 近端智能AI Near-end intelligent Ai
- 低功耗 Low Power consumption
- 高动态范围 High Dynamic range