

Product Overview

AR0230AT: CMOS Image Sensor, 2 MP, 1/3"

For complete documentation, see the data sheet.

The AR0230AT is a 1/2.7-inch CMOS digital image sensor with an active-pixel array of 1928Hx1088V. It captures images in either linear or high dynamic range modes, with rolling-shutter readout. It includes sophisticated camera functions such as in-pixel binning, windowing and both video and single frame modes. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two wire serial interface. The AR0230AT produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Output Interface | Color | Package Type |
|--------------------------|---|--------|------|------------|------------------|----------------|---|-----------------|--------------------|-------|--------------|
| AR0230ATSC00XUEA0-DRBR | AEC Qualified PPAP Capable Pb-free Halide free | Active | CMOS | 2.1 | 30 | 1/2.7 inch | Global Reset Release Electronic Rolling | 3.0 x 3.0 | Parallel HiSPi™ | RGB | IBGA-80 |
| AR0230ATSC00XUEA0-DRBR-E | Pb-free Halide free | Active | CMOS | 2.1 | 30 | 1/2.7 inch | Electronic Rolling and Global Reset Release | 3.0 x 3.0 | Parallel HiSPi™ | RGB | IBGA-80 |
| AR0230ATSM00XUEA0-DRBR-E | Pb-free Halide free | Active | CMOS | 2.1 | 30 | 1/2.7 inch | Electronic Rolling and Global Reset Release | 3.0 x 3.0 | Parallel HiSPi™ | Mono | IBGA-80 |

For more information please contact your local sales support at www.onsemi.com.

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