ARX3A0

CMOS Image Sensor, Ultra-Low-Power, 560 x 560, 360 fps

Product Overview

For complete documentation, see the data sheet.

The ARX3A0 is a breakthrough CMOS imaging sensor. Designed to be ultra-miniature (1/10th inch optical format) and ultra-low-power, the ARX3A0 brings new options to IoT device , drones and robotics. The product has an innovative super low power mode which draws less than 3.2 mW while active, and can detect motion or changes in lighting conditions and wake the rest of the system up. With its high frame rate of 360 frames per second (fps), the ARX3A0 can behave like a global shutter sensor in many circumstances, while still having all the benefits of power, size and performance of a 2.2 µm rolling shutter pixel.

Evaluation Tools

An evaluation kit and our industry-leading DevWare evaluation software are available by contacting your local ON Semiconductor sales representative.

Features

- Ultra Small 1/10.3" optical format
- Ultra Low Power Operation
- High Frame rate (360 fps)
- On-board frame buffer
- Smart wake
- MIPI interface
- Mono and RGB

Applications

- Small, low power image sensing cameras

End Products

- IoT Devices
- Robotics
- Drones
- Barcode Scanners
- Battery Powered Cameras

Part Electrical Specifications

Product	Status	Compilance	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Family	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
ARX3A0CSSC28SMD20	Obsolete		CMOS	-	360	1/10 inch	Electronic Rolling	2.2 x 2.2	MIPI	RGB	-	-		NA	0	MTFRM	1
ARX3A0CSSC28SMKA0-CR	Last Shipments		CMOS	0.3	360	1/10 inch	Electronic Rolling	2.2 x 2.2	MIPI	RGB	-	ODCSP-35	570CM.PDF	4	245	CTRAY	3000
ARX3A0CSSM00SMD20	Obsolete		CMOS	-	360	1/10 inch	Electronic Rolling	2.2 x 2.2	MIPI	Mono	-	-		NA	0	MTFRM	1