



Product Overview

AR0140CS: 1.0 MP 1/4" CMOS Image Sensor

For complete documentation, see the [data sheet](#)

Product Description

ON Semiconductor's AR0140CS is a 1/4-inch CMOS digital image sensor with an active-pixel array of 1280Hx800V. It captures images in either linear or high dynamic rangemodes, with a 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 AR0140CS 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

- Security

Part Electrical Specifications

| Product | Compliance | Status | Type | Megapixels | Frame Rate (fps) | Optical Format | Shutter Type | Pixel Size (µm) | Color | Package Type |
|----------------------------|------------------------|--------|------|------------|------------------|----------------|--------------------|-----------------|-------|--------------|
| AR0140CS2C00SUEA 0-DRBR | Pb-free Halide free | NEW | CMOS | 1 | 60 | 1/4 inch | Electronic Rolling | 3.0 x 3.0 | RGB | IBGA-63 |

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

Created on: 7/11/2015