

## Product Overview

### AR1011: CMOS Image Sensor, 10 MP, 1"

For complete documentation, see the data sheet.

The AR1011HS is a 10.8 megapixel, 1-inch optical format image sensor that combines high-resolution imaging with a large 3.4  $\mu\text{m}$  DR-Pix (Dynamic Response-pixel) that dynamically adapts to deliver superior low-light performance. At full-resolution, the AR1011HS offers 60 frames-per-second (fps) video; while jumping to 120 fps for 1080p HD mode. The sensor is an ideal fit for high-end surveillance camera systems that require high-resolution for functions such as electronic Pan, Tilt, Zoom (ePTZ) with amazing low-light capabilities. The 4K Ultra HD (3840 x 2190) resolution 60 frames-per-second mode, makes the sensor perfect for prosumer type broadcast cameras as well.

### Applications

- Camera
- Security

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size ( $\mu\text{m}$ )	Output Interface	Color	Package Type
AR1011HSSC00SHAA0-DP		Pb-free Halide free non AEC-Q and PPAP	Active	CMOS	10.8	60	1 inch	Electronic Rolling	3.4 x 3.4	-	RGB	CLCC-124

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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