Image Sensors | AR0147AT

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Hayabusa CMOS Digital Image Sensor, 1.3 MP, 1/4", HDR + LFM

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Overview

The AR0147AT is a 1/4−inch CMOS digital image sensor with a 1344 H x 968 V active−pixel array. This advanced automotive sensor captures images in either linear, or high dynamic range, with rolling−shutter readout. AR0147AT is optimized for both low light and challenging high dynamic range scene performance, with a 3 um BSI pixel and on−sensor up to 140 dB HDR capture capability. The sensor includes flexible functions such as in−pixel binning, windowing, and both video and single frame modes. The sophisticated sensor real−time safety mechanism and fault detection features on AR0147AT enable ASIL−B compliance. The device is programmable through a simple two−wire serial interface, and supports both MIPI CSI−2 and Parallel output interfaces.

Product Overview

- Applications
- End Products
- Features

Material Composition

Product Change Notification

Availability & Samples

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Product	Status	CAD Models	Compliance	Package Type	Case Outline	MSL Type	MSL Temp (°C)
AR0147ATSC00XUEA5-DPBR	Active		Pb A H P	IBGA-80	503CB	3	260
AR0147ATSC00XUEA5-DRBR	Active		Pb A H P	IBGA-80	503CB	3	260
AR0147ATSC00XUEG5-DRBR	Active		Pb A H P	IBGA-89	503CC	3	260
AR0147ATSC00XUEG5-DPBR	Active		Pb A H P	IBGA-89	503CC	3	260

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