

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.

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	AR0147ATSC00XUEA5-DRBR	Active		PbAH P	IBGA-80	503CB	3	260	J
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