



Product Overview

AP0100AT: 1 MP Co-Processor

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

Product Description

AP0100AT is a dedicated automotive image co-processor that enables flexible camera platforms using high performance ON Semiconductor megapixel high dynamic range (HDR) sensors. The two-chip solution of sensor and co-processor allows for multiple camera price and performance points with re-use of circuit board design, fast time to market and design flexibility. Sensor performance is enhanced by the reduction in heat resulting from a separate co-processor chip while at the same time enabling high performance features. The AP0100AT supports 185-degree fisheye lens distortion correction, perspective correction and multiple view options such as split side view, triptych and trailer hitch. This co-processor works with ON Semiconductor's AR0132AT HDR automotive sensor.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Color	Package Type
AP0100AT2L00XUGA 0-AM-DR	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-AM-DR1	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-AM-TR	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-DR	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-DR1	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-TR	AEC Qualified PPAP Capable Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100
AP0100AT2L00XUGA 0-TR-E	Pb-free Halide free	NEW	CMOS	1.2	45				RGB and Mono	VFBGA-100

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

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