AP0100AT

Image Signal Processor, 1 MP

Product Overview

For complete documentation, see the data sheet.

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 and AR0140AT HDR automotive sensors, and is ideal for NTSC/PAL backup cameras.

Features

- High Dynamic Range

Applications

- Automotive

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type
AP0100AT2L00XUGA0-DR		A P Pb H	Active	45	720p/60 fts , NTSC/PAL	YUV		VFBGA-100
AP0100AT2L00XUGA0-DR1		A P Pb H	Active	45	720p/60 fts , NTSC/PAL	YUV		VFBGA-100
AP0100AT2L00XUGA0-TR		A P Pb H	Active	45	720p/60 fts , NTSC/PAL	YUV		VFBGA-100