

AP0102AT

Image Signal Processor, 1 MP

Product Overview

For complete documentation, see the data sheet.

AP0102AT is a dedicated automotive image co-processor that enables flexible camera platforms using high performance onsemi 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 AP0102AT 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 onsemi's AR0132AT, AR0140AT and AR0136AT HDR automotive sensors, and is ideal for digital rear view cameras.

Features

- HDR

Applications

- Automotive

Part Electrical Specifications												
Product	Status	Compliance	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AP0102AT2L00 XPGA0-DR	Active		45	1080p/30 fps 1.2 MP/45 fps 720p/60 fps	RGB565 RGB888 YUV	AR0132AT AR0136AT AR0140AT AR0231	VFBGA-100	138AH. PDF	3	260	JTRAY	2600
AP0102AT2L00 XPGA0-TR	Active		45	1080p/30 fps 1.2 MP/45 fps 720p/60 fps	RGB565 RGB888 YUV	AR0132AT AR0136AT AR0140AT	VFBGA-100	138AH. PDF	3	260	REEL	3000