

AP0200AT

Image Signal Processor, 2 MP

Product Overview

For complete documentation, see the data sheet.

AP0200AT 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 AP0200AT offers Ethernet output and supports up to 2 Megapixel sensors. It includes a spatial transfer engine that works with up to 1.2 MP sensors and offers 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 AR0230AT, AR0132AT, AR0140AT and AR0136AT HDR automotive sensors, and is ideal for Ethernet rear view cameras.

Features

- HDR
- Ethernet

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.
AP0200AT2L00 XEGA0-DR	Active		30	1080p/30 fps 720p/60 fps 960p/45 fps	H.264 MJPEG	AR0132AT AR0136AT AR0140AT AR0230AT	VFBGA-100	138AH. PDF	3	260	JTRAY	2600
AP0200AT2L00 XEGA0-DR1	Last Shipments		30	1080p/30 fps 720p/60 fps 960p/45 fps	H.264 MJPEG	AR0132AT AR0136AT AR0140AT AR0230AT	VFBGA-100	138AH. PDF	3	260	JTRAY	260
AP0200AT2L00 XEGA0-TR	Obsolete		30	1080p/30 fps 720p/60 fps 960p/45 fps	H.264 MJPEG	AR0132AT AR0136AT AR0140AT AR0230AT	VFBGA-100	138AH. PDF	3	260	REEL	3000