



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Product Overview

### AP0200AT: Image Signal Processor, 2 MP

For complete documentation, see the data sheet.

AP0200AT 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 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 ON Semiconductor'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	Compliance	Status	Frame Rate (fps)	Video	Output Format	Compatible Sensors	Package Type
AP0200AT2L00XEGA 0-DR	AEC Qualified	Active	30	1080p/30 fps	H.264	AR0140AT	VFBGA-100
	PPAP Capable			960p/45 fps	MJPEG	AR0230AT	
	Pb-free			720p/60 fps		AR0132AT	
	Halide free					AR0136AT	
AP0200AT2L00XEGA 0-DR1	AEC Qualified	Active	30	720p/60 fps	H.264	AR0230AT	VFBGA-100
	PPAP Capable			960p/45 fps	MJPEG	AR0136AT	
	Pb-free			1080p/30 fps		AR0132AT	
	Halide free					AR0140AT	
AP0200AT2L00XEGA 0-TR	AEC Qualified	Active	30	960p/45 fps	MJPEG	AR0136AT	VFBGA-100
	PPAP Capable			720p/60 fps	H.264	AR0230AT	
	Pb-free			1080p/30 fps		AR0140AT	
	Halide free					AR0132AT	

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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