

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 PPAP Capable Pb-free Halide free | Active | 30 | 1080p/30 fps 960p/45 fps 720p/60 fps | H.264 MJPEG | AR0140AT AR0230AT AR0132AT AR0136AT | VFPGA-100 |
| AP0200AT2L00XEGA 0-DR1 | AEC Qualified PPAP Capable Pb-free Halide free | Active | 30 | 720p/60 fps 960p/45 fps 1080p/30 fps | H.264 MJPEG | AR0230AT AR0136AT AR0132AT AR0140AT | VFPGA-100 |
| AP0200AT2L00XEGA 0-TR | AEC Qualified PPAP Capable Pb-free Halide free | Active | 30 | 960p/45 fps 720p/60 fps 1080p/30 fps | MJPEG H.264 | AR0136AT AR0230AT AR0140AT AR0132AT | VFPGA-100 |

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

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