

## ASX344AT

# CMOS Image Sensor System-on-Chip, VGA, 1/4"

### Product Overview

For complete documentation, see the data sheet.

The ON Semiconductor ASX344AT is a VGA-format, single-chip CMOS active-pixel digital image sensor for automotive applications. It captures high-quality color images at VGA resolution and outputs NTSC or PAL interlaced composite video. The VGA CMOS image sensor features ON Semiconductor's breakthrough low-noise imaging technology that achieves superior image quality (based on signal-to-noise ratio and lowlight sensitivity) while maintaining the inherent size, cost, low power, and integration advantages of ON Semiconductor's advanced active pixel CMOS process technology. The ASX344AT is a complete camera-on-a-chip. It incorporates sophisticated camera functions on-chip and is programmable through a simple two-wire serial interface or by an attached SPI or serial EEPROM or Flash memory that contains setup information that may be loaded automatically at startup.

### Applications

- Automotive

Part Electrical Specifications												
Product	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
ASX344ATSC00 XUEA0-DPBR			Active	CMOS		60	1/4 inch	Electronic Rolling	5.6 x 5.6	-	RGB	IBGA-63
ASX344ATSC00 XUEA0-DRBR			Active	CMOS		60	1/4 inch	Electronic Rolling	5.6 x 5.6	-	RGB	IBGA-63
ASX344ATSC00 XUEA0-TPBR			Active	CMOS		60	1/4 inch	Electronic Rolling	5.6 x 5.6	-	RGB	IBGA-63
ASX344ATSC00 XUEA0-TRBR			Active	CMOS		60	1/4 inch	Electronic Rolling	5.6 x 5.6	-	RGB	IBGA-63