

## Product Overview

### ARX550AT: VGA 1/5" CMOS Image Sensor

For complete documentation, see the data sheet

ON Semiconductor's ARX550AT is a 1/5-inch CMOS digital image sensor with an active-pixel array of 848H x638V. It captures images in either linear or high dynamic range modes, with a rolling-shutter readout. It includes sophisticated camera functions such as auto exposure control, windowing, and both video and single frame modes. The ARX550AT produces extraordinarily clear, sharp digital pictures, and its ability to capture both continuous video and single frames makes it the perfect choice for a wide range of applications, including ADAS cameras.

### Features

- High Dynamic Range

### End Products

#### Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
ARX550AT2C00XPEA0-DRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
ARX550AT2C00XPEA0-TRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
ARX550AT2R00XPEA0-DRBR-E	Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
ARX550HDSC00XPEA0-DRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
ARX550HDSC00XPEA0-DRBR1	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
ARX550HDSC00XPEA0-TRBR	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	VGA	60	1/5 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63

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