



Product Overview

AR0132AT: 1.2 MP 1/3" CMOS Image Sensor

[For complete documentation, see the data sheet](#)

Product Description

ON Semiconductor's AR0132AT 1/3-inch CMOS digital image sensor with an active-pixel array of 1280H x 960V. 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. It is designed for both low light and high dynamic range scene performance. It is programmable through a simple two-wire serial interface. The AR0132AT 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 surveillance and HD video. This sensor is compatible with ON Semiconductor's automotive image co-processors which provides megapixel HDR image processing.

Features

- High Dynamic Range

Applications

- Automotive

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Color	Package Type
AR0132AT6B00XPW90	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6C00XPEA0-DPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6C00XPEA0-DPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	Halide free									
AR0132AT6C00XPEA0-DRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6C00XPEA0-TPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6C00XPEA0-TPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	Halide free									
AR0132AT6C00XPEA0-TRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6C00XPEA0-TRBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	IBGA-63
	Halide free									
AR0132AT6C00XPW90	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB	
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6G00XPEA0-DPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									
AR0132AT6G00XPEA0-DRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6G00XPEA0-TPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									
AR0132AT6G00XPEA0-TRBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									
AR0132AT6M00XPEA0-DPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Mono	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6M00XPEA0-DPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Mono	IBGA-63
	Halide free									

AR0132AT6M00XPEA 0-DRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Mono	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6M00XPEA 0-TPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Mono	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6M00XPEA 0-TPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Mono	IBGA-63
	Halide free									
AR0132AT6R00XPEA 0-DPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6R00XPEA 0-DPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									
AR0132AT6R00XPEA 0-DRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	IBGA-63
	PPAP Capable									
	Pb-free									
	Halide free									
AR0132AT6R00XPEA 0-TPBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	IBGA-63
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	Pb-free									
	Halide free									
AR0132AT6R00XPEA 0-TPBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									
AR0132AT6R00XPEA 0-TRBR	AEC Qualified	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	Other	IBGA-63
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	Pb-free									
	Halide free									
AR0132AT6R00XPEA 0-TRBR-E	Pb-free	NEW	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	RGB and Mono	IBGA-63
	Halide free									

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

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