

AR0132AT

CMOS Image Sensor, 1.2 MP, 1/3"

Product Overview

For complete documentation, see the data sheet.

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

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
AR0132AT6B00 XPD20			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75			
AR0132AT6C00 XPD20			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75			
AR0132AT6C00 XPEA0-DPBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
AR0132AT6C00 XPEA0-DRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
AR0132AT6C00 XPEA0-DRBR1			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
AR0132AT6C00 XPEA0-TPBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
AR0132AT6C00 XPEA0-TRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB	IBGA-63
AR0132AT6G00 XPEA0-AA-DRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75			IBGA-63
AR0132AT6M00 XPEA0-DPBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Mono	IBGA-63
AR0132AT6M00 XPEA0-DRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Mono	IBGA-63
AR0132AT6M00 XPEA0-DRBR1			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Mono	IBGA-63
AR0132AT6R00 XPEA0-DPBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Other	IBGA-63
AR0132AT6R00 XPEA0-DPBR1			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Other	IBGA-63
AR0132AT6R00 XPEA0-DRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Other	IBGA-63
AR0132AT6R00 XPEA0-TB-DPBR			Active							HiSPI™		IBGA-63
AR0132AT6R00 XPEA0-TPBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Other	IBGA-63
AR0132AT6R00 XPEA0-TRBR			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		Other	IBGA-63
AR0132AT6R00 XPEA0-TRBR-E			Active	CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75		RGB and Mono	IBGA-63