

AR0132AT

CMOS Image Sensor, 1.2 MP, 1/3"

Product Overview

For complete documentation, see the data sheet.

The AR0132AT is a 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

End Products

- Camera Monitoring System

Part Electrical Specifications

Product	Status	Compliance	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AR0132AT6B00 XPD20	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	-		NA	0	MTFRM	1
AR0132AT6C00 XPD20	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	-		NA	0	MTFRM	1
AR0132AT6C00 XPEA0-DPBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6C00 XPEA0-DRBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6C00 XPEA0-DRBR1	Obsolete		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	JTRAY	260
AR0132AT6C00 XPEA0-TPBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	REEL	2000
AR0132AT6C00 XPEA0-TRBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	REEL	2000
AR0132AT6G00 XPEA0-AA-DRBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6M0 OXPEA0-DPBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Monochrome	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6M0 OXPEA0-DRBR	Last Shipments		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Monochrome	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6M0 OXPEA0-DRBR1	Last Shipments		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Monochrome	IBGA-63	503 AF.PDF	3	260	JTRAY	260
AR0132AT6M0 OXPEA0-TPBR	Obsolete		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Monochrome	IBGA-63	503 AF.PDF	3	260	REEL	2000
AR0132AT6R00 XPEA0-DPBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6R00 XPEA0-DPBR1	Obsolete		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	JTRAY	260
AR0132AT6R00 XPEA0-DRBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6R00 XPEA0-DRBR1	Obsolete		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	JTRAY	260

AR0132AT6R00 XPEA0-TB- DPBR	Obsolete		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	JTRAY	2600
AR0132AT6R00 XPEA0-TPBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	REEL	2000
AR0132AT6R00 XPEA0-TRBR	Lifetime		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	Other	IBGA-63	503 AF.PDF	3	260	REEL	2000
AR0132AT6R00 XPEA0-TRBR-E	Active		CMOS	1.2	60	1/3 inch	Electronic Rolling	3.75 x 3.75	HiSP i™	RGB and Mono	IBGA-63	503 AF.PDF	3	260	REEL	1