

KLT-USB1A-AR0330 V1.0

On Semiconductor Aptina AR0330 USB Interfaz Foco fijo 3MP M12
Módulo de cámara



Módulo de cámara No.	KLT-USB1A-AR0330 V1.0	
Sensor de imagen	AR0330	Output Format: MJPG, YVY2
EFL	2.3 mm	15 FPS 2048 x 1536 (Full Frame)
F.NO	2.5	20 FPS 1920 x 1080 (Full HD)
Pixel	2048 x 1536	20 FPS 1280 x 720 (HD 720P)
Ángulo de visión	170°	Supporting OS
Tipo de lente	1/3 pulgada	Windows 7, 8.1, 10, Vista
Dimensiones de la lente	13.70 x 13.70 x 20.92 mm	Windows XP SP2 under UVC
Tamaño del módulo	30.50 x 25.00 mm	Linux Kernel V2.6.2.1 or later
Tipo de módulo	Foco fijo	MAC OS 10.4 or later
Interfaz	USB 2.0	Operating Voltage: 5V +/- 5%
Modelo de lente IMT	IMT-1B12E005-6	Compliant with UVC Version 1.0

Cable USB de acoplamiento N ° de pieza. KLT-USB1A-Cable



Cable de extensión de cable USB. Se vende por separado.

Product Overview

AR0330: 3 MP 1/3" CMOS Image Sensor

For complete documentation, see the data sheet.

ON Semiconductor's focus on pixel performance excellence provides the foundation for this sensor's exceptional image quality with superior color accuracy, low-light sensitivity, and low noise level. This cost-effective CMOS imaging solution enables high speed image capture capabilities, and includes variable functions, including gain, frame rate, and exposure while maintaining low power consumption.

Features

- 2.2 μm pixel with ON Semiconductor A-Pix™ technology
- Full HD support at 60 fps (2304H x 1296V) for maximum video performance
- Superior low-light performance
- 3.4Mp (3:2) and 3.15 Mp (4:3) still images
- Support for external mechanical shutter
- Support for external LED or Xenon flash
- Data interfaces: four-lane serial high-speed pixel interface (HiSPi™) differential signaling (SLVS), four-lane serial MIPI interface, or parallel.
- On-chip phase-locked loop (PLL) oscillator
- Simple two-wire serial interface
- Auto black level calibration

For more features, see the data sheet

Applications

- Camera
- Security

End Products

- Video Camcorders
- Web Cameras
- Video Conference Cameras
- Security Cameras

Part Electrical Specifications

Product	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Package Type
AR0330CM1C00SHAA0-DP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	CLCC-48
AR0330CM1C00SHAA0-DR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	CLCC-48
AR0330CM1C00SHAA0-TP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	CLCC-48
AR0330CM1C00SHKA0-CP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C00SHKA0-CR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C12SHAA0-DP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	CLCC-48
AR0330CM1C12SHAA0-DR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	CLCC-48
AR0330CM1C12SHKA0-CP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C12SHKA0-CR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C12SUW90	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	
AR0330CM1C21SHKA0-CP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C21SHKA0-CR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	HiSPi™	RGB	ODCSP-64
AR0330CM1C25SUD20	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	
AR0330CS1C12SPKA0-CP	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Parallel	RGB	ODCSP-61
AR0330CS1C12SPKA0-CR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Parallel	RGB	ODCSP-61
AR0330CSSC12SPBA0-DR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Parallel	RGB	PLCC-48
AR0330SR1C00SUKA0-CR	Pb-free Halide free	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP-61

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

Created on: 9/30/2017