

KLT-USB1A-AR0330 V1.0

**On Semiconductor Aptina AR0330 USB Interface Foco Fixo
3MP M12 Módulo de Câmera**



Módulo de câmara No.	KLT-USB1A-AR0330 V1.0	
Sensor de imagem	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)
Ângulo de visão	170°	Supporting OS
Tipo de lente	1/3 polegada	Windows 7, 8.1, 10, Vista
Dimensões da lente	13.70 x 13.70 x 20.92 mm	Windows XP SP2 under UVC
Tamanho do Módulo	30.50 x 25.00 mm	Linux Kernel V2.6.2.1 or later
Tipo de Módulo	Foco Fixo	MAC OS 10.4 or later
Interface	USB 2.0	Operating Voltage: 5V +/- 5%
Modelo de lente IMT	IMT-1B12E005-6	Compliant with UVC Version 1.0

Número da peça do cabo USB de acoplamento. KLT-USB1A-Cable



Cabo de extensão USB. Vendido separadamente

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.

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