

## KLT-USB1A-AR0330 V1.0

On Semiconductor Aptina AR0330 USB Interface Mise au point fixe  
3MP M12 Module de caméra



Module de caméra No.	KLT-USB1A-AR0330 V1.0	
Capteur d'image	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)
Angle de vue	170°	Supporting OS
Type d'objectif	1/3 pouce	Windows 7, 8.1, 10, Vista
Dimensions de l'objectif	13.70 x 13.70 x 20.92 mm	Windows XP SP2 under UVC
Taille du module	30.50 x 25.00 mm	Linux Kernel V2.6.2.1 or later
Type de module	Mise au point fixe	MAC OS 10.4 or later
Interface	USB 2.0	Operating Voltage: 5V +/- 5%
Modèle d'objectif IMT	IMT-1B12E005-6	Compliant with UVC Version 1.0

Câble USB d'accouplement Réf. KLT-USB1A-Cable



Rallonge de câble USB. Vendu séparément.

## 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  $\mu\text{m}$  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](http://www.onsemi.com).

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