

AR0330CM

CMOS Image Sensor, 3 MP, 1/3"

Product Overview

For complete documentation, see the data sheet.

onsemi'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, 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	Status	Compliance	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (µm)	Output Interface	Color	Family	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
AR0330CM1C00SHAA0-DP	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	1520
AR0330CM1C00SHAA0-DP1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	152
AR0330CM1C00SHAA0-DR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	1520
AR0330CM1C00SHAA0-DR1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	152
AR0330CM1C00SHAA0-TP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	REEL	2000
AR0330CM1C00SHKA0-CP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -64	570 BG. PDF	5	260	CTRAY	1000
AR0330CM1C00SHKA0-CR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -64	570 BG. PDF	5	260	CTRAY	2000
AR0330CM1C12SHAA0-DP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	1520
AR0330CM1C12SHAA0-DP1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	152
AR0330CM1C12SHAA0-DR	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	1520
AR0330CM1C12SHAA0-DR1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLC C-48	848 AU. PDF	4	260	JTRAY	152
AR0330CM1C12SHKA0-CP	Lifetime		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -64	570 BH. PDF	5	260	CTRAY	2000
AR0330CM1C12SHKA0-CR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -64	570 BH. PDF	5	260	CTRAY	2000
AR0330CM1C12SUD20	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	-	-	NA	0	MTFRM	1
AR0330CM1C21SHKA0-CP	Lifetime		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	OD CSP -64	570 BJ. PDF	5	260	CTRAY	2000

AR0330CM1C21 SHKA0-CR	Lifetime		CM OS	3.5	60	1/3 inch	Elec tron ic Rolli ng	2.2 x 2.2	Mult i	RGB	-	OD CSP -64	570 BJ. PDF	5	260	CTR AY	200 0
AR0330CM1C21 SUD20	Obsole te		CM OS	3.5	60	1/3 inch	Elec tron ic Rolli ng	2.2 x 2.2	Mult i	RGB	-	-		NA	0	MT FR M	1
AR0330CM1C2 5SUD20	Obsole te		CM OS	3.5	60	1/3 inch	Elec tron ic Rolli ng	2.2 x 2.2	Mult i	RGB	-	-		NA	0	MT FR M	1