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

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Part Electrical Specifications

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Product	Status	Compilance	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	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	1520
AR0330CM1C00SHAA0-DP1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	152
AR0330CM1C00SHAA0-DR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	1520
AR0330CM1C00SHAA0-DR1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	152
AR0330CM1C00SHAA0-TP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	REEL	2000
AR0330CM1C00SHKA0-CP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	ODCSP-64	570BG.PDF	5	260	CTRAY	1000
AR0330CM1C00SHKA0-CR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	ODCSP-64	570BG.PDF	5	260	CTRAY	2000
AR0330CM1C12SHAA0-DP	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	1520
AR0330CM1C12SHAA0-DP1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.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	-	CLCC-48	848AU.PDF	4	260	JTRAY	1520
AR0330CM1C12SHAA0-DR1	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	CLCC-48	848AU.PDF	4	260	JTRAY	152
AR0330CM1C12SHKA0-CP	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	ODCSP-64	570BH.PDF	5	260	CTRAY	2000
AR0330CM1C12SHKA0-CR	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	ODCSP-64	570BH.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	Last Shipments		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	ODCSP-64	570BJ.PDF	5	260	CTRAY	2000

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AR0330CM1C21SHKA0-CR	Last Shipments		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
AR0330CM1C21SUD20	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	-		NA	0	MTFRM	1
AR0330CM1C25SUD20	Obsolete		CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	-	-		NA	0	MTFRM	1

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