

AR0330CM

CMOS Image Sensor, 3 MP, 1/3"

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.

- 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 pixelinterface (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

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| • Security | • Video Camcorders |
| • Camera | • Web Cameras |
| | • Video Conference Cameras |
| | • Security Cameras |

	Pricing (\$/Unit)	Compliance	Status	Type	Megapixels	Frame Rate (fps)	Optical Format	Shutter Type	Pixel Size (μm)	Output Interface	Color	Package Type
AR0330CM1C00 SHAA0-DP		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	CLCC- 48
AR0330CM1C00 SHAA0-DP1		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	CLCC- 48
AR0330CM1C00 SHAA0-DR		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	CLCC- 48
AR0330CM1C00 SHAA0-DR1		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	CLCC- 48
AR0330CM1C00 SHKA0-CP		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP- 64
AR0330CM1C12 SHAA0-DR		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	CLCC- 48
AR0330CM1C12 SHKA0-CP		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP- 64
AR0330CM1C12 SHKA0-CR		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP- 64
AR0330CM1C12 SUD20		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	
AR0330CM1C21 SHKA0-CP		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP- 64
AR0330CM1C21 SHKA0-CR		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	ODCSP- 64
AR0330CM1C25 SUD20		 	Active	CMOS	3.5	60	1/3 inch	Electronic Rolling	2.2 x 2.2	Multi	RGB	