



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Camera Application Kit
Digi P/N CC-ACC-MT9V111
Features/Capabilities Quicksheet



Active-Pixel Digital Image Sensor (Micron/Aptina MT9V111)

Parameter		Typical Value
Optical format		1/4-inch (4:3)
Active imager size		3.584 mm (H) x 2.688 mm (V)
Active pixels		640 x 480 (VGA)
Pixel size		5.6 μm x 5.6 μm
Color filter array		RGB Bayer pattern
Shutter type		Electronic rolling shutter (ERS)
Maximum data rate		12–13.5 Mbps
Master clock		24–27 MHz
Frame rates	VGA (640 x 480)	15 fps at 12 MHz (default), programmable up to 30 fps at 27 MHz
	CIF (352 x 288)	Programmable up to 60 fps
	QVGA (320 x 240)	Programmable up to 90 fps
ADC resolution		10-bit, on-chip
Responsivity		1.9 V/lux-sec (550nm)
Pixel dynamic range		60 dB
SNRMAX		45 dB
Supply voltage		2.8 +0.25V
Power consumption		<80mW at 2.8V, 15 fps at 12 MHz
Operating temperature		-40°C to +85°C
Packaging options		52-Ball IBGA, wafer or die

Lens

Parameter	Value
Focal length	2.5 mm
Aperture	F2.0
Horizontal field of view	120°
Minimum object distance	0.2m
Format	1/3"
Mount	M12 x 0.5
Dimensions	\varnothing 14x17 mm
Weight	6 g