

	0.3MP CMOS	1.3MP CMOS	3.0MP CMOS	5.0MP CMOS	10.0MP CMOS
Sensor manufacturer	OV	Micron	Micron	Micron	Micron
Sensor format	1/4"	1/3"	1/2"	1/2.5"	1/2.3"
Pixel size	6μm X 6μm	3.6μm X 3.6μm	3.2μm X 3.2μm	2.2μm X 2.2μm	1.67μm X 1.67μm
Resolution	640H X 480V	1280H X 1024V	2048H X 1536V	2592H x 1944V	3856H x 2764V
Filter	RGB Bayer Pattern	RGB Bayer Pattern	RGB Bayer Pattern	RGB Bayer Pattern	RGB Bayer Pattern
Lens mount	C -mount, include adapter ring	C -mount, include adapter ring	C -mount, include adapter ring	C -mount, include adapter ring	C -mount, include adapter ring
Max Frame rate	30fps(640*480)	15fps(1280*1024) 30fps(640*480)	11fps(2048*1536) 30fps(640*480)	8fps(2592*1944) 30fps(640*480)	3fps(3856*2764) 25fps(1280*1024)
Output RGB	8 bit	8 bit	8 bit	8 bit	8 bit
Exposure control	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Exposure time	1ms-0.3S	1ms-0.3S	1ms-0.3S	1ms-0.3S	1ms-0.3S
White balance	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual	Auto/Manual
Scan mode	Progressive	Progressive	Progressive	Progressive	Progressive
Sensitivity	3.0V/Lux-sec(550nm)	1.0V/Lux-sec(550nm)	1.0V/Lux-sec(550nm)	0.53V/Luxsec(550nm)	0.44V/Luxsec(550nm)
S/N Ratio	44dB	44dB	43dB	40.5dB	40.5dB
Dynamic Range	>60dB	>71dB	>61dB	>60dB	>63dB
Control	Image size, bright,gain, expousre time, RGB	Image size, bright,gain, expousre time, RGB	Image size, bright,gain, expousre time, RGB	Image size, bright,gain, expousre time, RGB	Image size, bright,gain, expousre time, RGB
interface	USB2.0/480Mb/s	USB2.0/480Mb/s	USB2.0/480Mb/s	USB2.0/480Mb/s	USB2.0/480Mb/s
USB cable	1.8M	2M	2M	2M	1.8M
Power supply	USB2.0	USB2.0	USB2.0	USB2.0	USB2.0
Operating Temperature	0-60℃	0-60℃	0-60℃	0-60℃	0-60℃
Humidity	45%-85%	45%-85%	45%-85%	45%-85%	45%-85%
Storage temperature	-20-70℃	-20-70℃	-20-70℃	-20-70℃	-20-70℃