

NVIDIA® Jetson™ Orin NX/Orin Nano Compatible CSI Camera Comparison

Camera		Sensor	Megapixels	Resolution	Aperture (F)	Focal Length (mm)	Diagonal Field of View (FOV)	Lens Mount	Night Vision	
	IMX219-77 8MP Camera 114992260	Sony IMX219	8	3280 × 2464	2	2.96	77°	-	-	
	IMX219-771R 8MP Camera 114992261								√	
	IMX219-130 8MP Camera 114992262				1.8	1.88	130°		-	-
	IMX219-160 8MP Camera 114992263				2.35	3.15	160°			-
	IMX219-1601R 8MP Camera 114992264									√
	IMX219-200 8MP Camera 114992265				2	0.87	200°			-
	IMX219-83 8MP 3D Stereo Camera 114992270				-	2.6	83°			
	IMX219 M12/CS mount CMOS Camera 102110719				depends on lens*				CS/M12	
	Raspberry Pi Camera Module V2 113990214				2	3.04 mm	62.2°		-	-
	Raspberry Pi High Quality Camera 101990642				Sony IMX477	12.3	4056 x 3040		depends on lens*	
	Raspberry Pi High Quality Camera with 114992442	M12								
	Raspberry Pi HQ Camera 114993032									

*Follow the below table to choose your desired lens option

C/ CS Mount Lens Comparison

	Image Format	Focal Length	Resolution	Aperture	Mount Type	Angle of View	Minimum Object Distance
113990818	1/2"	6mm	3 Megapixel	F1.2	CS	63°	0.2m
101990643	1"	16mm	10 Megapixel	F1.4 to F16	C	1" 44.6°x 33.6° 2/3" 30.0°x 23.2° 1/1.8" 24.7°x 18.6° 1/2" 21.8°x 16.4°	A
114992274	1/2"	25mm	10 Megapixel	F1.4 to F16	C	19.6°	0.3m
114992275	1/2"	35mm	10 Megapixel	F1.7 to F16	C	14.3°10.7°	0.35m
114992276	1"	50mm	8 Megapixel	F1.4 to F16	C	14.5°10.9°	0.5m
114992278	1/2.3"	8-50mm	3 Megapixel	F1.4 to F16	C	Wide: 41.8°x30.8° / Tele: 6.42°x4.80°	0.5m

*All Camera options are compatible with our reComputer and reComputer Industrial J30/ J40 series powered by NVIDIA Jetson Orin NX/ Orin Nano modules.