

# PHASEONE

The below table provides useful information for selecting a configuration suitable for the desired capture resolution and the size of the object that needs to be captured. Note that measurements are rounded to the nearest millimeter and that this table may be updated periodically subject to system updates.

## Phase One iXG optics specs: Lenses, extension tubes, distances and magnifications

June 21st 2018

Lens	In-camera extension	Extension Tube	Total system length	Distance sensor-object	Magnification	iXG 100MP			iXG 50MP		
						Object Size Max/ Min (approx. in mm)		PPI (approx.)	Object Size Max/ Min (approx. in mm)		PPI (approx.)
72mm	0mm	N/A	144mm	Infinity	N/A	N/A			N/A		
72mm	21mm	N/A	165mm	0.44m	1:3.6		192	1420		158	1330
72mm	21mm	21mm	186mm	0.33m	1:1.8		96	3070		79	2660
72mm	21mm	42mm	207mm	0.3m	1:1.2		64	4600		53	3970
72mm	21mm	21+42mm	228mm	0.3m	1:0.9		48	6100		39	5390
120mm	0mm	None	209mm	1.12m	1:6.9	358			295		
120mm	21mm	None	230mm	0.67m	1:3.1		165	1790		136	1550
120mm	21mm	21mm	251mm	0.56m	1:2		107	2750		88	2390
120mm	21mm	42mm	272mm	0.51m	1:1.5		80	3680		66	3190
120mm	21mm	21+42mm	293mm	0.50m	1:1.2		64	4600		53	3970
120mm	21mm	21+42+21mm	314mm	0.48m	1:1.02		55	5400		45	4660
72mm Angle of View		62° at all apertures									
120mm Angle of View		48° at lower magnification & up to f11, 40° at ~1:1									
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