

DJI Phantom 4 Lens Calculations

Lens Field of View

Focal Length mm

Other Format (Custom)

Horizontal Film in mm

Vertical Film in mm=

Lens	Diagonal Angle	Horizontal Angle	Vertical Angle
	Custom	Custom	Custom
3.612	94.02	81.27	44.33

Use 1.55 micron / Sony IMX377 per: http://www.sony.net/Products/SC-HP/IS/sensor2/img/products/IMX377EQH5_ProductSummary_v1.5_20150414.pdf

	4000x3000	Squared	4024x3036	Squared
Horizontal	6.20	38.44	6.2372	38.90
Vertical	4.65	21.6225	4.7058	22.14
	Diagonal	7.75		7.81
Video	3840	5.952 mm		
	2160	3.348 mm		
Still	4000	6.2 mm		
	3000	4.65 mm		

Calculations created by VIZf/x. These calculations are done based on assumptions made in the DJI marketing literature and my personal understanding of optical mathematics. Use at your own risk. VIZf/x takes no responsibility for the accuracy of these calculations or the result of images created by the use of these figures and calculations.