

AxioCam Colour (HRc) pixel sizes (no binning)

Actual pixel size = 6.7 μm x 6.7 μm [1300x1030].

Optimal pixel sizes for each objective (and adapter) are shown in **bold** ($\geq 2x$ oversampling – Nyquist criterion).

Objective	Camera adapter = 1.0x			Camera adapter = 0.63x		
	No Optovar (μm)	Optovar = 1.6 (μm)	Optovar = 2.5x (μm)	No Optovar (μm)	Optovar = 1.6 (μm)	Optovar = 2.5x (μm)
2.5x [Field of view]	2.7x2.7 [3.51x2.78 mm]	1.7x1.7 [2.21x1.75 mm]	1.1x1.1 [1.43x1.13 mm]	4.3x4.3 [5.59x4.43 mm]	2.7x2.7 [3.51x2.78 mm]	1.7x1.7 [2.21x1.75 mm]
5x [Field of view]	1.3x1.3 [1.69x1.34 mm]	0.84x0.84 [1.09x0.865 mm]	0.54x0.54 [0.702x0.556 mm]	2.1x2.1 [2.73x2.16 mm]	1.3x1.3 [1.69x1.34 mm]	0.85x0.85 [1.11x0.876 mm]
10x [Field of view]	0.67x0.67 [0.871x0.690 mm]	0.418x0.418 [0.543x0.431 mm]	0.268x0.268 [0.348x0.276 mm]	1.1x1.1 [1.43x1.13 mm]	0.66x0.66 [0.858x0.680 mm]	0.425x0.425 [0.553x0.438 mm]
20x [Field of view]	0.335x0.335 [0.436x0.345 mm]	0.209x0.209 [0.272x0.215 mm]	0.134x0.134 [0.174x0.138 mm]	0.53x0.53 [0.689x0.546 mm]	0.332x0.332 [0.432x0.342 mm]	0.212x0.212 [0.276x0.218 mm]
40x (air) 40x (oil) [Field of view]	0.165x0.165 0.165x0.165 [0.215x0.170 mm]	0.104x0.104 0.104x0.104 [0.135x0.107 mm]	0.067x0.067 0.067x0.067 [0.087x0.069 mm]	0.265x0.265 0.265x0.265 [0.345x0.273 mm]	0.166x0.166 0.166x0.166 [0.216x0.171 mm]	0.106x0.106 0.106x0.106 [0.138x0.109 mm]
63x [Field of view]	0.106x0.106 [0.138x0.109 mm]	0.066x0.066 [0.086x0.068 mm]	0.043x0.043 [0.056x0.044 mm]	0.169x0.169 [0.220x0.174 mm]	0.106x0.106 [0.138x0.109 mm]	0.068x0.068 [0.088x0.070 mm]
100x [Field of view]	0.067x0.067 [0.087x0.069 mm]	0.042x0.042 [0.055x0.043 mm]	0.027x0.027 [0.035x0.028 mm]	0.106x0.106 [0.138x0.109 mm]	0.066x0.066 [0.086x0.068 mm]	0.043x0.043 [0.056x0.044 mm]