

AxioCam B&W (MRm & HRm) pixel sizes (no binning)

Actual pixel size = 6.45 μm x 6.45 μm [1388x1040].

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]	2.6x2.6 [3.58x2.68 mm]	1.6x1.6 [2.24x1.68 mm]	1.0x1.0 [1.43x1.07 mm]	4.1x4.1 [5.68x4.26 mm]	2.6x2.6 [3.55x2.66 mm]	1.6x1.6 [2.27x1.70 mm]
5x [Field of view]	1.3x1.3 [1.79x1.34 mm]	0.81x0.81 [1.12x0.839 mm]	0.52x0.52 [0.716x0.537 mm]	2.1x2.1 [2.84x2.13 mm]	1.3x1.3 [1.78x1.33 mm]	0.82x0.82 [1.14x0.852 mm]
10x [Field of view]	0.65x0.65 [0.895x0.671 mm]	0.403x0.403 [0.559x0.419 mm]	0.258x0.258 [0.358x0.268 mm]	1.0x1.0 [1.42x1.06 mm]	0.64x0.64 [0.888x0.665 mm]	0.409x0.409 [0.568x0.426 mm]
20x [Field of view]	0.323x0.323 [0.448x0.335 mm]	0.202x0.202 [0.280x0.210 mm]	0.129x0.129 [0.179x0.134 mm]	0.51x0.51 [0.711x0.532 mm]	0.320x0.320 [0.444x0.333 mm]	0.205x0.205 [0.284x0.213 mm]
40x (air) 40x (oil) [Field of view]	0.161x0.161 0.161x0.161 [0.224x0.168 mm]	0.101x0.101 0.101x0.101 [0.140x0.105 mm]	0.065x0.065 0.065x0.065 [0.090x0.067 mm]	0.256x0.256 0.256x0.256 [0.355x0.266 mm]	0.160x0.160 0.160x0.160 [0.222x0.166 mm]	0.102x0.102 0.102x0.102 [0.142x0.106 mm]
63x [Field of view]	0.102x0.102 [0.142x0.106 mm]	0.064x0.064 [0.089x0.066 mm]	0.041x0.041 [0.057x0.043 mm]	0.163x0.163 [0.226x0.169 mm]	0.102x0.102 [0.141x0.106 mm]	0.065x0.065 [0.090x0.068 mm]
100x [Field of view]	0.065x0.065 [0.090x0.067 mm]	0.040x0.040 [0.056x0.042 mm]	0.026x0.026 [0.036x0.027 mm]	0.102x0.102 [0.142x0.106 mm]	0.064x0.064 [0.089x0.067 mm]	0.041x0.041 [0.057x0.043 mm]