



i.Cam – Monochrom	Unit	i.CamvM	i.CamxM	i.CamhQM	i.CamhrM
CCD Image Sensor		ICX084AL	ICX204AL	ICX285AL	ICX274AL
CCD Sensor Type		IT	IT	IT	IT
CCD Manufacturer		Sony	Sony	Sony	Sony
Pixel Size, H x V	µm	7,4 x 7,4	4,65 x 4,65	6,45x 6,45	4,4 x 4,4
Active Area, H x V	mm	4,74 x 3,55	4,76 x 3,57	9 x 6,7	7,16 x 5,44
Image Diagonal	mm	5,92	5,95	11,2	9
Aspect Ratio, width : height		4 : 3	4 : 3	4 : 3	4 : 3
Pixelnumber, columns x lines		640 x 480	1024 x 768	1392 x 1040	1628 x 1236
Total Pixelnumber		307,200	786,432	1,447,680	2,012,208
Digitalization,	bit	10	10	12	8
Shutter / Integration time	ms	0.06 - 4000	0.06 - 4000	0.02 - 4000	0.02 - 4000
Full Well Capacity FWC, Pixel	e ⁻	22,000	12,000	18,000	10,000
Readout Noise SNR, rms	e ⁻	18	10	15	9
Dynamic Range		1,200 : 1	1,200 : 1	1,200 : 1	1,100 : 1
Dark Current, pixel, @15°C	e ⁻ /s	< 3	< 3	< 2	< 2
FWC / Dark Current, @25°C	s	1,410	4,000	9,000	5,000
Quantum Efficiency, QE max	%	40	40	65	40
Sensitivity, photons SNR=1		45	25	23	22,5
Total Electron Capacity, TEC	10 ⁶ e ⁻	6,700	9,400	26,000	20,100
Total Noise Electrons, TNC	10 ⁶ e ⁻	5,5	7,86	21,7	18,1
Binning		-	-	hor., vert.	hor., vert.
Antiblooming, x FWC		> 200	> 200	> 200	> 200
Frame Rate:	Hz	30	15	11 ROI > 60	13 ROI > 200
Price	Euro	1,690	1,950	3,950	3,950

Price includes Camera, FireWire-Adapter, 4.5m FireWire-Cable, WinSISlight.