



Bioluminescence Imaging Systems

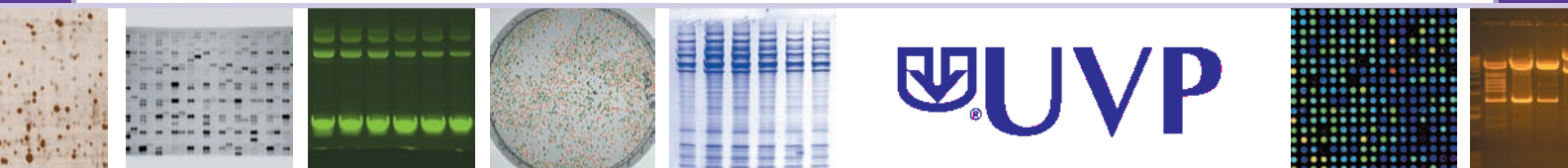
Camera Specifications

High Specification CCD Cameras for Advanced Imaging Systems

UVP offers a range of high specification CCD cameras configured for use with UVP's Advanced Imaging Systems. The chart below provides detailed camera specifications. Selection of cameras is based on specific imaging applications. Ask a UVP Bioluminescence Imaging Systems for camera recommendations.

Cameras Specifications

Specifications/ Camera	MegaCam (800)	BioCam (700)	OptiChemi HR (600)	BioChemi HR (500)	Chemi HR (410)	Gel HR (300)
CCD Bit Depth	12 bit	16 bit	16 bit	14 bit	14 bit	12 bit
File Bit Depth (A/D)	16 bit	16 bit	16 bit	16 bit	16 bit	16 bit
Grayscale Range	65,536	65,536	65,536	65,536	65,536	65,536
Pixel Resolution	3326 x 2504	1024 x 1024	2184 x 1472	2048 x 2048	1600 x 1200	1360 x 1024
Megapixels	8.3	1.0	3.2	4.2	2.0	1.4
Cooling Type	-23° C Absolute and Regulated 2-stage Peltier	-80° C Absolute and Regulated 3-stage Peltier	-35° C Absolute & Regulated 3-stage Peltier	-28° C Absolute & Regulated 2-stage Peltier	-28° C Absolute & Regulated 2-stage Peltier	None
Chip Source	KAF-8300	CCD47-10	Kodak 3/4" KAF-3200ME	Kodak 1" KAI-4021M	Kodak 1" KAI-2020M	Sony 1/2" ICX205AL
Binning Modes	1x1, 2x2 ... 10x10	Unlimited	1x1 thru 16x16	1x1 thru 8x8	1x1 thru 8x8	None
Captured Image Size (TIF)	16.3mb	2.1mb	6.3mb @ 16-bit	8.2mb @ 16-bit	3.7mb @ 16-bit	2.4mb @ 16-bit
PC Interface Connection	USB 2.0	Ethernet	Ethernet	USB 2.0	USB 2.0	IEEE 1394 (FireWire)
Quantum Efficiency: Peak & Chemi 425nm	62% & 44%	93% & 72%	90% & 63%	55% & 50%	56% & 50%	---
Lens Options	Fixed Motorized 50mm F1.2 Fixed Motorized 28mm F1.4	Fixed Motorized 50mm F1.2 Fixed Motorized 28mm F1.4	Motorized F1.2 zoom Manual F3.5 zoom Fixed Manual F0.95	Motorized F1.2 zoom Manual F1.2 zoom Fixed Manual F0.95	Motorized F1.2 zoom Manual F1.2 zoom Fixed Manual F0.95	Motorized F1.2 zoom Manual F1.2 zoom



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Specifications subject to change without notice.

Reference: AIS Cameras R1007