

## Atik Cameras Specification Tables

	420	450	Infinity	414EX	428EX	460EX	490EX	4120EX
Image sensor	Sony ICX274	Sony ICX655	Sony ICX825	Sony ICX825	Sony ICX674	Sony ICX694	Sony ICX814/5	Sony ICX834AQG
Resolution	1620x1220	2448x2050	1392x1040	1392x1040	1932x1452	2750x2200	3380x2704	4242x2830
Pixel size (um)	4,4x4,4	3,45x3,45	6,45x6,45	6,45x6,45	4,54x4,54	4,54x4,54	3,69x3,69	3,1x3,1
ADC	16 bit	16 bit	16bit	16bit	16 bit	16 bit	16bit	16bit
Readout noise (Typ.)	4e	5e	6e	5e	5e	5e	5e	5e
Cooling Delta	-30	-30	Passive	-30	-25	-25	-25	-25
Regulated cooler	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
Water assist	No	No	No	No	No	No	No	No
Maximum exposure	Unlimited	Unlimited	120s	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Minimum exposure	0,001s	0,001s	0,001s	0,001s	0,001s	0,001s	0,001s	0,001s
Maximum Frame Rate	N/A	N/A	3fps	N/A	N/A	N/A	N/A	N/A
PC Interface	USB2	USB2	USB2	USB2	USB2	USB2	USB2	USB2
Power requirements	12VDC, 0.9A	12VDC, 0.9A	12VDC, 1A	12VDC, 1A	12VDC, 0.9A	12VDC, 0.9A	12VDC, 0.9A	12VDC, 1A
Backfocus distance	13mm ±0.5	13mm ±0.5	13mm ±0.5	13mm ±0.5	13mm ±0.5	13mm ±0.5	13mm ±0.5	13mm ±0.5
Thread on front	M42x0,75	M42x0,75	M42x0,75	M42x0,75	M42x0,75	M42x0,75	M42x0,75	M42x0,75
Weight	400g	400g	340g	400g	400g	400g	400g	400g
Mono or OSC	Either	Either	Either	Either	Either	Either	Either	OSC

	GP	Titan	Atik 314L+	One 6.0	One 9.0	383L+	4000	11000
Image sensor	Sony ICX445	Sony ICX424	Sony ICX285	Sony ICX694/5	Sony ICX814/5	Kodak KAF-8300	Kodak KAI4022	Kodak KAI11002
Resolution	1296x964	659x494	1392x1040	2750x2200	3380x2704	3362x2504	2048x2048	4008x2672
Pixel size (um)	3,75x3,75	7,4x7,4	6,45x6,45	4,54x4,54	3,69x3,69	5,4x5,4	7,4x7,4	9x9
ADC	12bit	16 bit	16 bit	16bit	16bit	16 bit	16 bit	16 bit
Readout noise (Typ.)	7e	7e	4 e-	5e	5e	7e	11e	13e
Cooling Delta	Passive	-20	-27	-38	-38	-40	-40	-38
Regulated cooler	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Water assist	No	No	No	No	No	No	Yes	Yes
Maximum exposure	5s	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Minimum exposure	0,001s	0,001s	0,001s	0,001s	0,001s	0,2s	0,001s	0,001s
Maximum Frame Rate	30 fps	15 fps	N/A	N/A	N/A	N/A	N/A	N/A
PC Interface	USB2	USB2	USB2	USB2	USB2	USB2	USB2	USB2
Power requirements	USB powered	12VDC, 0.6A	12VDC 0.8A	12VDC, 2A	12VDC, 2A	12VDC, 2A	12VDC, 2A	12VDC, 2A
Backfocus distance	7mm ±0.5	12mm ±0.5	13mm ±0.5	27mm ±0.5	27mm ±0.5	17mm ±0.5	16mm ±0.5	15mm ±0.5
Thread on front	M42x0,75	M42x0,75	M54x0,75	M42x0,75	M42x0,75	M42x0,75	M42x0,75	M54x0,75
Weight	80g	350g	400g	900g	900g	700g	990g	990g
Mono or OSC	Either	Either	Either	Mono	Mono	Either	Either	Either