Table 7: ZWO Astronomy Cameras - Complete Specifications and Recommendations

			Sensor	Sensor	Sensor	Sensor		ADC Data	Max Download					1/4"-20						
ZWO Camera Model	Color / Mono-	Sensor	Diagonal Size	Dimensions	Resolution (MB)	Dimensions	Pixel Size (microns)	Resolution (bits)		USB Data Interface	TEC	Diameter	Weight (g	Mounting Thread	All-Sky Len	s Best Applications	Planetary	Solar/Lunar		
	chrome	Sensor	(mm)	(mm)	(IMB)	(pixels)	(microns)		Resolution (fps)	Interrace	Cooling	(mm / in)	/ oz)	Inread	Included	Best Applications	Planetary	Solar/Lunar	Deep-Sky	All-Sky
ASI071MC-Pro (	Color	Sony IMX071	28.3	23.6x15.6	16.0	4944x3284	4.78	14/10	10	3.0	Yes	86 / 3.4	640 / 22.6	No	No	Deep sky	***	***	****	****
	Color	ONS AR0130CS	6.09	4.8x3.6	1.2	1280x960	3.75	12/10	60	3.0	No	62 / 2.4	100 / 3.5	Yes	Yes		***	***	***	***
		ON MT9M034	6.1	4.8x3.6	1.2	1280x960 1280x960	3.75	12/10	60	3.0	No	62 / 2.4	100 / 3.5	Yes	Yes	Planetary imaging	****	***	***	***
		Sony IMX174	13.4	4.6X5.0 11.3x7.1	2.3	1936x1216	5.86	12/10	128	3.0	No	62 / 2.4	140 / 4.9	Yes	No	Planetary imaging  Solar and lunar imaging	***	****	***	***
		Sony IMX174	13.4	11.3x7.1	2.3	1936x1216	5.86	12/10	18.4	2.0	No	36 / 1.42	60 / 2.1	No	No	Autoguiding; solar system	***	****	***	***
	Color	Sony IMX174	8.92	7.4 x 5.0	6.4	3096x2080	2.40	14/10	60	3.0	No	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging;solar/lunar	****	****	***	***
		Sony IMX178	8.92	7.4 x 5.0	6.4	3096x2080	2.40	14/10	60	3.0	No	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging;solar/lunar	****	****	***	****
	Color	Sony IMX183	15.9	13.2x8.8	20.1	5496x3672	2.40	12/10	19	3.0	No	62 / 2.4	120 / 4.2	Yes	No	Deep sky	***	***	***	****
	Color	Sony IMX183	15.9	13.2x8.8	20.1	5496x3672	2.40	12/10	19	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Deep sky	***	***	****	****
		Sony IMX183	15.9	13.2x8.8	20.1	5496x3672	2.40	12/10	19	3.0	No	62 / 2.4	120 / 4.2	Yes	No	Deep sky	***	***	****	****
		Sony IMX183	15.9	13.2x8.8	20.1	5496x3672	2.40	12/10	19	3.0	Yes	78 / 3.1	410 / 14.5	No	No.	Deep sky	***	****	****	****
		Sony IMX183	15.9	13.2x8.8	20.1	5496x3672	2.40	12/10	19	3.0	Yes	110x110mm	800/28.2	No	No	Deep sky	***	***	****	****
	Color	Sony IMX224	6.1	4.8x3.6	1.2	1304x976	3.75	12/10	150	3.0	No.	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging	****	****	****	****
	Color	Sony IMX290	6.46	5.6x3.2	2.1	1936x1096	2.90	12/10	170	3.0	No	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging	****	***	***	***
		Sony IMX290	6.5	5.6x3.2	2.1	1936x1096	2.90	12/10	170	3.0	No	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging	****	****	****	****
		Sony IMX290	6.46	5.6x3.2	2.1	1936x1096	2.90	12/10	20.4	2.0	No	36 / 1.42	60 / 2.1	No	No	Autoguiding; solar system	***	****	****	***
	Color	Sony IMX294	23.2	19.1x13.0	11.7	4144x2822	4.63	14/10	19	3.0	No	62 / 2.4	120 / 4.2	Yes	No	Deep sky	***	***	****	****
	Color	Sony IMX294	23.2	19.1x13.0	11.7	4144x2822	4.63	14/10	19	3.0	Yes	78 / 3.1	410 / 14.5	No.	No.	Deep sky	***	****	****	****
	Color	Sony IMX385	8.35	7.3x4.1	2.1	1936x1096	3.75	12/10	120	3.0	No	62 / 2.4	120 / 4.2	Yes	No	Solar and lunar imaging	****	****	***	****
	Color	Sony IMX533	16	11.3x11.3	9.0	3008x3008	3.76	14/10	20	3.0	Yes	78/3.1	470/16.6	No	No	Deep sky	***	***	****	****
	Color	4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	No	62 / 2.4	140 / 4.9	Yes	No	Deep sky	***	***	****	****
	Color	4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Deep sky	***	***	****	****
		4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	No	62 / 2.4	140 / 4.9	Yes	No	Deep sky	***	***	***	****
	Monochrome	4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Deep sky	***	***	****	****
		4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	Yes	110x110mm	800/28.2	No	No	Deep sky	***	***	****	****
	Color	Sony IMX571	28	23.5x15.7	26.0	6248x4176	3.76	16-Jan	3.51	3.0	Yes	90/3.5	700/24.7	No	No	Deep sky	***	***	****	****
		Sony IMX455	43.3	36.0x24.0	62.0	9576x6388	3.76	16	2	3.0	Yes	90/3.5	700/24.7	No	No	Deep sky	***	***	****	****
		Sony IMX455	43.3	36.0x24.0	62.0	9576x6388	3.76	16	2	3.0	Yes	90/3.5	700/24.7	No	No.	Deep sky	***	***	****	****
DISCONTINUED MODELS		JOHY HVIX-455	43.5	30.0024.0	02.0	3370x0300	3.70	10	2	3.0	163	30/3.3	700/24.7	NO	140	реср зку	222	2000	22222	^^^^
	Color	ONS ASX340CS	5	4.1x2.9	0.3	728x512	5.60	8	95	2.0	No	62 / 2.4	100 / 3.5	Yes	No	Planetary imaging	***	**	*	*
	Color	Sony IMX071	28.4	23.6 x 15.7	16.2	4928x3264	4.80	14-Jan	10	3.0	Yes	78 / 3.1	500 / 17.8	No	No	Deep sky	***	****	****	****
ASI094MC-Pro (	Color	Sony IMX094	43.3	36.0x24.0	36.0	7376x4928	4.88	14/10	5	3.0	Yes	86 / 3.4	640 / 22.6	No	No	Deep sky	***	***	****	****
	Color	ONS AR0130CS	6.09	4.8x3.6	1.2	1280x960	3.75	12/10	35	2.0	No	62 / 2.4	100 / 3.5	Yes	Yes	Planetary imaging	****	***	***	***
ASI120MM I	Monochrome	ONS MT9M034	6.09	4.8x3.6	1.2	1280x960	3.75	12/10	35	2.0	No	62 / 2.4	100 / 3.5	Yes	Yes	Planetary imaging	****	***	***	***
ASI128MC-Pro (	Color	Sony IMX128	43.3	36.0x24.0	24.0	6032x4032	5.97	14/10	7	3.0	Yes	86 / 3.4	640 / 22.6	No	No	Deep sky	***	****	****	****
ASI174MC (	Color	Sony IMX174	13.4	11.3x7.1	2.3	1936x1216	5.86	12/10	164	3.0	No	62 / 2.4	140 / 4.9	Yes	No	Solar and lunar imaging	***	****	***	***
ASI174MC-Cool	Color	Sony IMX174	13.4	11.3x7.1	2.3	1936x1216	5.86	12/10	164	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Solar and lunar imaging	***	****	****	***
ASI174MM-Cool I	Monochrome	Sony IMX174	13.4	11.3x7.1	2.3	1936x1216	5.86	12/10	128	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Solar and lunar imaging	***	****	****	***
ASI178MC-Cool (	Color	Sony IMX178	8.92	7.4 x 5.0	6.4	3096x2080	2.40	14/10	60	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging;solar/lunar	****	****	****	****
		Sony IMX178	8.92	7.4 x 5.0	6.4	3096x2080	2.40	14/10	60	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging;solar/lunar	****	***	***	****
	Color	Sony IMX185	8.58	7.3x4.6	2.3	1944x1224	3.75	12/10	108	3.0	No	62 / 2.4	120 / 4.2	Yes	Yes	Planetary imaging;solar/lunar	****	****	***	****
	Color	Sony IMX185	8.58	7.3x4.6	2.3	1944x1224	3.75	12/10	108	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging;solar/lunar	****	****	****	****
	Color	Sony IMX224	6.09	4.8x3.6	1.2	1304x976	3.75	12/10	150	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging	****	****	****	****
	Color	Sony IMX290	6.46	5.6x3.2	2.1	1936x1096	2.90	12/10	170	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging	****	***	****	****
	Monochrome	Sony IMX290	6.46	5.6x3.2	2.1	1936x1096	2.90	12/10	170	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Planetary imaging	****	***	****	****
	Color	Sony IMX385	8.35	7.3x4.1	2.1	1936x1096	3.75	12/10	120	3.0	Yes	78 / 3.1	420 / 14.8	No	No	Solar and lunar imaging	****	***	***	****
	Color	4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Deep sky	***	***	****	****
		4/3" CMOS	21.9	17.7x13.3	16.0	4656x3520	3.80	12/10	23	3.0	Yes	78 / 3.1	410 / 14.5	No	No	Deep sky	***	***	****	****

<sup>\*</sup> User selectable except for ASI034MC

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