Formats and Resolutions Overview

of ARRI digital motion picture cameras

ALEXA 35 Xtreme *Premium model*

SUP 5.2.0 or higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[1]	Max. FPS[1] ***Sensor Overdrive***[3]
4.6K 3:2 Open Gate																
MXF/ARRIRAW[2]	4.6K	4608	3164	4608	3164	4608	3164	27.99	19.22	1.102	0.757	33.96	1.337	23.7	-/35/80	n/a
MXF/ARRICORE	4.6K	4608	3164	4608	3164	4608	3164	27.99	19.22	1.102	0.757	33.96	1.337	10.76	-/80/120	-/80/165
MXF/ProRes	4.6K	4608	3164	4608	3164	4608	3164	27.99	19.22	1.102	0.757	33.96	1.337	-	60-120/60-120/120	n/a
4.6K 16:9																
MXF/ARRIRAW[2]	4.6K	4608	2592	4608	2592	4608	2592	27.99	15.75	1.102	0.620	32.12	1.265	19.4	-/45/95	n/a
MXF/ARRICORE	4.6K	4608	2592	4608	2592	4608	2592	27.99	15.75	1.102	0.620	32.12	1.265	8.84	-/100/150	-/100/200
MXF/ProRes	4.6K	4608	2592	4608	2592	4608	2592	27.99	15.75	1.102	0.620	32.12	1.265	-	70-150/70-150/150	n/a
4K 16:9																
MXF/ARRIRAW[2]	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	15.4	-/55/125	n/a
MXF/ARRICORE	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	7.23	-/125/150	-/125/210
MXF/ProRes	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	-	90-150/90-150/150	n/a
MXF/ProRes	UHD	4096	2304	4096	2304	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105/150/150	n/a
MXF/ProRes	2K	4096	2304	4096	2304	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150	n/a
MXF/ProRes	HD	4096	2304	4096	2304	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150	n/a
3.8K 16:9																
MXF/ARRIRAW[2]	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	13.5	-/65/140	n/a
MXF/ARRICORE	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	6.19	-/145/150	-/145/240
MXF/ProRes	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	-	105-150/105-150/150	n/a
3.8K 2.39:1																
MXF/ARRIRAW[2]	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	10.21	-/85/190	n/a
MXF/ARRICORE	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	4.65	-/195/240	-/195/240
MXF/ProRes	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	-	140-240/140-240/240	n/a
3.3K 6:5																
MXF/ARRIRAW[2]	3.3K	3328	2790	3328	2790	3328	2790	20.22	16.95	0.796	0.667	26.38	1.039	15.1	-/55/120	n/a
MXF/ARRICORE	3.3K	3328	2790	3328	2790	3328	2790	20.22	16.95	0.796	0.667	26.38	1.039	7.17	-/120/120	-/125/210
MXF/ProRes	3.3K	3328	2790	3328	2790	3328	2790	20.22	16.95	0.796	0.667	26.38	1.039	-	90-120/90-120/120	n/a
MXF/ProRes	3.8K	3328	2790	3328	2790	3040	1608	20.22	16.95	0.796	0.667	26.38	1.039	-	120/120/120	n/a
2K 16:9 S16																
MXF/ARRIRAW	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	4.01	-/230/330	n/a
MXF/ARRICORE	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	1.94	-/330/330	-/505/660
MXF/ProRes	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	-	330/330/330	n/a
HD 16:9 S16																
MXF/ARRIRAW	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	3.55	-/260/330	n/a
MXF/ARRICORE	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	1.68	-/330/330	-/590/660
MXF/ProRes	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	-	330/330/330	n/a

[1] Compact Drive Express 1TB/Compact Drive 1TB/Compact Drive 2TB; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ
[2] ARRIRAW is recorded in an MXF container with extended metadata. as documented in SMPTE RDD 54/55 for details.
[3] Sensor Overdrive is only available for ARRICORE recording

ALEXA 35 Xtreme *Base model*

SUP 5.2.0 or higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[13]
4K 16:9															
MXF/ARRIRAW[2]	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	15.4	-/55/60
MXF/ARRICORE	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	7.23	-/60/60
MXF/ProRes	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	-	60/60/60
MXF/ProRes	UHD	4096	2304	4096	2304	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105/150/150
MXF/ProRes	2K	4096	2304	4096	2304	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150
MXF/ProRes	HD	4096	2304	4096	2304	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150
3.8K 16:9															
MXF/ARRIRAW[2]	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	13.5	-/60/60
MXF/ARRICORE	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	6.19	-/60/60
MXF/ProRes	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	-	60/60/60
MXF/ProRes	UHD	4096	2304	4096	2304	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105/150/150
MXF/ProRes	2K	4096	2304	4096	2304	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150
MXF/ProRes	HD	4096	2304	4096	2304	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	150/150/150
3.8K 2.39:1															
MXF/ARRIRAW[2]	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	10.21	-/60/60
MXF/ARRICORE	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	4.65	-/60/60
MXF/ProRes	3.8K	3840	1608	3840	1608	3840	1608	23.325	9.77	0.918	0.385	25.29	0.996	-	60/60/60
MXF/ProRes	3.8K	3328	2790	3328	2790	3040	1608	20.22	16.95	0.796	0.667	26.38	1.039	-	120/120/120
2K 16:9 S16															
MXF/ARRIRAW	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	4,01	-/60/60
MXF/ARRICORE	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	1.94	-/60/60
MXF/ProRes	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	-	60/60/60
HD 16:9 S16															
MXF/ARRIRAW	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	3.55	-/60/60
MXF/ARRICORE	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	1.68	-/60/60
MXF/ProRes	HD	1920	1080	1920	1080	1920	1080	11.66	6.56	0.459	0.258	13.38	0.527	-	60/60/60

[1] Compact Drive Express 1TB/Compact Drive 1TB/Compact Drive 2TB; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ
[2] ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55 for details.
[3] High Speed license unlocks max. speeds, See Premium; Sensor Overdrive is only available for ARRICORE recording with Premium or High Speed license

Formats and Resolutions Overview

of ARRI digital motion picture cameras

ALEXA 35 *Premium model*

SUP 1.3/SUP 4.0 or higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[1]
4.6K 3:2 Open Gate															
MXF/ARRIRAW[2]	4.6K	4608	3164	4608	3164	4608	3164	27.99	19.22	1.102	0.757	33.96	1.337	23.7	-/35/75
MXF/ProRes	4.6K	4608	3164	4608	3164	4608	3164	27.99	19.22	1.102	0.757	33.96	1.337	-	60/60/60
4.6K 16:9															
MXF/ARRIRAW[2]	4.6K	4608	2592	4608	2592	4608	2592	27.99	15.75	1.102	0.620	32.12	1.265	19.4	-/45/75
MXF/ProRes	4K	4608	2592	4096	2304	4096	2304	27.99	15.75	1.102	0.620	32.12	1.265	-	75/75/75
4K 16:9															
MXF/ARRIRAW[2]	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	15.4	-/55/120
MXF/ProRes	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	-	90-100/90-100/100
	UHD	4096	2304	3840	2160	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105-120/105-120/120
	2K	4096	2304	2048	1152	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
	HD	4096	2304	1920	1080	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
4K 2:1															
MXF/ARRIRAW[2]	4K	4096	2048	4096	2048	4096	2048	24.88	10.42	0.980	0.410	26.98	1.062	13.7	-/65/120
MXF/ProRes	4K	4096	2048	4096	2048	4096	2048	24.88	10.42	0.980	0.410	26.98	1.062	-	100-120/100-120/120
3.8K 16:9															
MXF/ARRIRAW[2]	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	13.5	-/65/120
MXF/ProRes	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	-	105-120/105-120/120
3.3K 6:5															
MXF/ARRIRAW[2]	3.3K	3328	2790	3328	2790	3328	2790	20.22	16.95	0.796	0.667	26.38	1.039	15.1	-/55/100
MXF/ProRes	4K 2.39:1 Ana 2x	3328	2790	4096	1716	4096	1716	20.22	16.95	0.796	0.667	26.38	1.039	-	75/75/75
MXF/ProRes	3.3K	3328	2790	3328	2790	3328	2790	20.22	16.95	0.796	0.667	26.38	1.039	-	75/75/75
3K 1:1															
MXF/ARRIRAW[2]	3K 1:1 - 3K	3072	3072	3072	3072	3072	3072	18.66	18.66	0.735	0.735	26.39	1.039	15.4	-/55/100
MXF/ProRes	3K 1:1 - 3K	3072	3072	3072	3072	3072	3072	18.66	18.66	0.735	0.735	26.39	1.039	-	90/90/90
	3.8K 2:1 Ana 2x	3072	3072	3840	1920	3840	1920	18.66	18.66	0.735	0.735	26.39	1.039	-	100/100/100
2.7K 8:9															
MXF/ProRes	UHD 16:9 Ana 2x	2743	3086	3840	2160	3840	2160	16.66	18.75	0.656	0.738	25.08	0.987	-	100/100/100
2K 16:9 S16															
MXF/ProRes	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	-	120

[1] Compact Drive Express 1TB/Compact Drive 1TB/Compact Drive 2TB; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ
[2] ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55 for details.

ALEXA 35 *Base model*

SUP 4.0 or higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[1]
4.6K 16:9															
MXF/ProRes	4K	4608	2592	4096	2304	4096	2304	27.99	15.75	1.102	0.620	32.12	1.265	-	75/75/75
4K 16:9															
MXF/ProRes	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	-	90-100/90-100/100
	UHD	4096	2304	3840	2160	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105-120/105-120/120
	2K	4096	2304	2048	1152	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
	HD	4096	2304	1920	1080	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
4K 2:1															
MXF/ProRes	4K	4096	1716	4096	2048	4096	2048	24.88	10.42	0.980	0.410	26.98	1.062	-	120/120/120
3.8K 16:9															
MXF/ProRes	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	-	105-120/105-120/120
2K 16:9 S16															
MXF/ProRes	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	-	120/120/120

[1] Compact Drive Express 1TB/Compact Drive 1TB/Compact Drive 2TB; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ
[2] ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55 for details.

ALEXA 35 LIVE

SUP 2.0 or higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[1]
4K 16:9															
MXF/ProRes	4K	4096	2304	4096	2304	4096	2304	24.88	14.00	0.980	0.551	28.55	1.124	-	90-100/90-100/100
	UHD	4096	2304	3840	2160	3840	2160	24.88	14.00	0.980	0.551	28.55	1.124	-	105-120/105-120/120
	2K	4096	2304	2048	1152	2048	1152	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
	HD	4096	2304	1920	1080	1920	1080	24.88	14.00	0.980	0.551	28.55	1.124	-	120/120/120
4K 2:1															
MXF/ProRes	4K	4096	1716	4096	2048	4096	2048	24.88	10.42	0.980	0.410	26.98	1.062	-	120/120/120
3.8K 16:9															
MXF/ProRes	UHD	3840	2160	3840	2160	3840	2160	23.325	13.12	0.918	0.517	26.76	1.054	-	105-120/120
2K 16:9 S16															
MXF/ProRes	2K	2048	1152	2048	1152	2048	1152	12.44	7.00	0.490	0.275	14.27	0.562	-	120/120/120

[1] Compact Drive 1TB/Compact Drive 2TB, if first value has a dash, it is max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ

ALEXA 265

SUP 3.0

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Max. FPS[1]
MXF/ARRIRAW[2]	Open Gate	6560	3100	6560	3100	6560	3100	54.12	25.58	2.131	1.007	59.86	2.357	30.5	29/60
	5.1K	5120	3100	5120	3100	5120	3100	42.24	25.58	1.663	1.007	49.38	1.908	23.8	37/60
	4.5K	4448	3096	4448	3096	4448	3096	36.70	25.54	1.44	1.01	44.71	1.76	20.9	43/60

[1] Compact Drive 1TB/Compact Drive 2TB
[2] ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55 for details.

Formats and Resolutions Overview

of ARRI digital motion picture cameras

ALEXA MINI LF

SUP 7.1 and higher

Recording Codec	Recording Resolution	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
LF 4.3K & Open Gate																
MXF/ARRIRAW[3]	4.5K LF 3:2 Open Gate - 4.5K	4448	3096	4448	3096	4448	3096	36.70	25.54	1.445	1.006	44.71	1.760	20.9	20.876.584	40
MXF/ProRes	4.5K LF 3:2 Open Gate - 4.5K	4448	3096	4480[2]	3096	4448	3096	36.70	25.54	1.445	1.006	44.71	1.760	-	-	40
	4.3K LF 16:9 - UHD	4320	2430	3840	2160	3840	2160	35.64	20.05	1.364	0.789	40.89	1.576	-	-	48
	4.3K LF 16:9 - HD	4320	2430	1920	1080	1920	1080	35.64	20.05	1.364	0.789	40.89	1.576	-	-	75
LF 2.39:1																
MXF/ARRIRAW[3]	4.5K LF 2.39:1 - 4.5K	4448	1856	4448	1856	4448	1856	36.70	15.31	1.445	0.603	39.76	1.565	12.6	12.603.304	60
MXF/ProRes	4.5K LF 2.39:1 - 4.5K	4448	1856	4480[2]	1856	4448	1856	36.70	15.31	1.445	0.603	39.76	1.565	-	-	60
LF 16:9																
MXF/ARRIRAW[3]	3.8K LF 16:9 - UHD	3840	2160	3840	2160	3840	2160	31.68	17.82	1.247	0.702	36.35	1.431	12.7	12.661.672	60
MXF/ProRes	3.8K LF 16:9 - UHD	3840	2160	3840	2160	3840	2160	31.68	17.82	1.247	0.702	36.35	1.431	-	-	60
	3.8K LF 16:9 - 2K	3840	2160	2048	1152	2048	1152	31.68	17.82	1.247	0.702	36.35	1.431	-	-	90
	3.8K LF 16:9 - HD	3840	2160	1920	1080	1920	1080	31.68	17.82	1.247	0.702	36.35	1.431	-	-	90
LF 1:1																
MXF/ARRIRAW[3]	2.8K LF 1:1 - 2.8K	2880	2880	2880	2880	2880	2880	23.76	23.76	0.935	0.935	33.60	1.322	12.4	12.445.696	60
MXF/ProRes	2.8K LF 1:1 - 2.8K	2880	2880	3072[1]	2880	2880	2880	23.76	23.76	0.935	0.935	33.60	1.322	-	-	60
S35 16:9, 4:3 & 3:2																
MXF/ARRIRAW[3]	3.4K S35 3:2 - 3.4K	3424	2202	3424	2202	3424	2202	28.25	18.17	1.112	0.715	33.59	1.322	11.5	11.529.544	60
MXF/ProRes	3.2K S35 16:9 - 3.2K	3200	1800	3200	1800	3200	1800	26.40	14.85	1.039	0.585	30.29	1.193	-	-	60
	2.8K S35 4:3 - 2.8K	2880	2160	3072[1]	2160	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	-	-	75
	2.8K S35 16:9 - HD	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	100

[1] clip padding: 96px left and right
[2] clip padding: 16px left and right
[3] ARRIRAW is recoded in a legacy MXF container based on the legacy "v3 Header" metadata

AMIRA & ALEXA MINI

SUP 6.1

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
MXF/ARRIRAW[3]	Open Gate 3.4K[4]	3424	2202	3424	2202	3424	2202	28.25	18.17	1.112	0.715	33.59	1,322	11.5	11.529.544	30
MOV/ProRes	4K UHD	3200	1800	3840	2160	3840	2160	26.40	14.85	1.039	0.585	30.29	1.193	-	-	60
	3.2K	3200	1800	3200	1800	3200	1800	26.40	14.85	1.039	0.585	30.29	1.193	-	-	60
MXF/ARRIRAW[3]	4:3 2.8K (OG 3.4K)[4]	3424[2]	2202	2880	2160	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	11.5	11.529.544	30
	2.8K	2880	1620	2880	1620	2880	1620	23.76	13.37	0.935	0.526	27.26	1.073	7.2	7.218.472	48
	2.39:1 2K Ana. (OG 3.4K)[4]	3424[2]	2202	2560	2145	2560	2145	21.12	17.70	0.831	0.697	27.55	1.085	11.5	11.529.544	30
MOV/ProRes	2.39:1 2K Ana.[4]	2560	2145	2048	858	2048	858	21.12	17.70	0.831	0.697	27.55	1.085	-	-	120
	2K	2868	1612	2048	1152	2048	1152	23.66	13.30	0.932	0.524	27.14	1.069	-	-	200
MXF/ARRIRAW[3]	16:9 HD Ana. (OG 3.4K)[4]	3424[2]	2202	1920	2160	1920	2160	15.84	17.82	0.624	0.702	23.84	0.939	11.5	11.529.544	30
MOV/ProRes	HD Ana.[4]	1920	2160	1920	1080	1920	1080	15.84	17.82	0.624	0.702	23.84	0.939	-	-	120
	HD	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	200
MXF/MPEG-2[5]	HD	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	59.94
MOV/ProRes	S16 HD	1600	900	1920	1080	1920	1080	13.2	7.425	0.520	0.292	15.14	0.596	-	-	200

[1] clip padding: 32px left and right
[2] for all (OG 3.4K) formats: active image size determined by metadata, recording always full Open Gate (3424x2202)
[3] ARRIRAW is recoded in a legacy MXF container based on the legacy "v3 Header" metadata
[4] Mode is available on ALEXA Mini only
[5] Mode is available on AMIRA only

ALEXA 65

SUP 4.0

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
ARRIRAW[1]	Open Gate	6560	3100	6560	3100	6560	3100	54.12	25.58	2.131	1.007	59.86	2.357	30.5	30.724.072	60
	5.1K	5120	2880	5120	2880	5120	2880	42.24	23.76	1.663	0.935	48.46	1.908	22.1	22.338.472	60
	LF Open Gate	4448	3096	4448	3096	4448	3096	36.70	25.54	1.44	1.01	44.71	1.76	20.9	20.876.584	60
	4.3K	4320	2880	4320	2880	4320	2880	35.64	23.76	1.403	0.935	42.83	1.686	18.7	18.882.472	60
	4K UHD	3840	2160	3840	2160	3840	2160	31.68	17.82	1.247	0.702	36.35	1.431	12.7	12.661.672	60

[1] ARRIRAW is recorded as a .ARI file sequence

Formats and Resolutions Overview
of ARRI digital motion picture cameras

ALEXA LF

SUP 4.3

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
LF Open Gate																
ARRIRAW[3]	OG 4.5K	4448	3096	4448	3096	4448	3096	36.70	25.54	1.445	1.006	44.71	1.760	20.9	20.876.584	90
MOV/ProRes	OG 4.5K	4448	3096	4480[1]	3096	4448	3096	36.70	25.54	1.445	1.006	44.71	1.760	-	-	60
LF 2.39:1																
ARRIRAW[3]	Scope 4.5K	4448	1856	4448	1856	4448	1856	36.70	15.31	1.445	0.603	39.76	1.565	12.6	12.603.304	150
MOV/ProRes	Scope 4.5K	4448	1856	4480[1]	1856	4448	1856	36.70	15.31	1.445	0.603	39.76	1.565	-	-	100
LF 16:9																
ARRIRAW[3]	4K UHD	3840	2160	3840	2160	3840	2160	31.68	17.82	1.247	0.702	36.35	1.431	12.7	12.661.672	90
MOV/ProRes	4K UHD	3840	2160	3840	2160	3840	2160	31.68	17.82	1.247	0.702	36.35	1.431	-	-	60/40[2]
	2K	3840	2160	2048	1152	2048	1152	31.68	17.82	1.247	0.702	36.35	1.431	-	-	60
	HD	3840	2160	1920	1080	1920	1080	31.68	17.82	1.247	0.702	36.35	1.431	-	-	60

[1] clip padding: 16px left and right;
[2] 40fps for ProRes 444 XQ
[3] ARRIRAW is recorded as a .ARI file sequence

ALEXA SXT

SUP 2.1

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
Open Gate mode																
ARRIRAW[5]	3.4K	3424	2202	3424	2202	3424	2202	28.25	18.17	1.112	0.715	33.59	1.322	11.5	11.529.544	90
MOV/ProRes	3.4K	3424	2202	3456[4]	2202	3424	2202	28.25	18.17	1.112	0.715	33.59	1.322	-	-	60
	4K Cine	3414	2198	4096	2636	4096	2636	28.17	18.13	1.109	0.714	33.50	1.319	-	-	48
6:5 mode																
ARRIRAW[5]	2.6K	2592	2160	2592	2160	2578	2160	21.38	17.82	0.842	0.702	27.84	1.096	8.6	8.618.152	96
MOV/ProRes	4K Cine Anamorphic	2560	2146	4096	1716	4096	1716	21.12	17.70	0.831	0.697	27.56	1.085	-	-	60
	2K Anamorphic	2560	2146	2048	858	2048	858	21.12	17.70	0.831	0.697	27.56	1.085	-	-	96
4:3 mode																
ARRIRAW[5]	2.8K	2880	2160	2880	2160	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	9.6	9.551.272	96
MOV/ProRes	2.8K	2880	2160	2944[3]	2176	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	-	-	60
16:9 mode																
ARRIRAW[5]	3.2K	3168	1782	3168	1782	3168	1782	26.14	14.70	1.029	0.579	29.99	1.181	8.7	8.688.136	120
	2.8K	2880	1620	2880	1620	2880	1620	23.76	13.37	0.935	0.526	27.26	1.073	7.2	7.218.472	120
MOV/ProRes	4K UHD	3200	1800	3840	2160	3840	2160	26.40	14.85	1.039	0.585	30.29	1.193	-	-	50
	3.2K	3200	1800	3200	1824[2]	3200	1800	26.40	14.85	1.039	0.585	30.29	1.193	-	-	72
	2K	2880	1620	2048	1152	2048	1152	23.76	13.37	0.935	0.526	27.26	1.073	-	-	120
	HD	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	120

[2] clip padding: 24px bottom
[3] clip padding: 32px left and right; 16px bottom
[4] clip padding: 16px left and right
[5] ARRIRAW is recorded as a .ARI file sequence

ALEXA XT

SUP 11.1

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
Open Gate mode																
ARRIRAW[3]	OpenGate	3424	2202	3424	2202	3414	2198	28.25	18.17	1.112	0.715	33.59	1.322	11.3	11.319.712	75
4:3 mode																
ARRIRAW[3]	Full	2880	2160	2880	2160	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	9.3	9.341.440	90
	Cropped	2592	2160	2592	2160	2578	2160	21.27	17.82	0.837	0.702	27.75	1.092	8.4	8.402.176	96
MOV/ProRes	2K (2048x1536)	2868	2152	2048	1536	2048	1536	23.66	17.75	0.932	0.699	29.58	1.165	-	-	48
16:9 mode																
ARRIRAW[3]	2.8K	2880	1620	2880	1620	2880	1620	23.76	13.37	0.935	0.526	27.26	1.073	7.0	7.008.640	120
MOV/ProRes	3.2K (3164x1778)	3168	1782	3200[1]	1782	3164	1778	26.14	14.70	1.029	0.579	29.99	1.181	-	-	30
	2K (2048x1152)	2868	1614	2048	1152	2048	1152	23.66	13.32	0.932	0.524	27.15	1.069	-	-	60
	HD (1920x1080)	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	120[2]
MXF/DNxHD	HD (1920x1080)	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	120[2]

[1] clip padding: 18px left and right; 2px top and bottom
[2] max. speed may vary depending on the codec's flavour; High speed license needed (otherwise max. speed is 60fps)
[3] ARRIRAW is recorded as a .ARI file sequence

ALEXA

SUP 11.1

Recording Codec	Recording Format	Sensor Active Image Area (photosites)		Recording File Container Size (pixel)		Recording File Image Content (pixel)		Sensor Image Area (mm)		Sensor Image Area (inch)		Image Circle (mm)	Image Circle (inch)	Frame Size in MB	Frame Size in Byte	Max. FPS
4:3 mode																
ARRIRAW[2] *(external)*	2.8K	2880	2160	2880	2160	2880	2160	23.76	17.82	0.935	0.702	29.70	1.169	9.3	9.341.440	60
MOV/ProRes	2K (2048x1536)	2868	2152	2048	1536	2048	1536	23.66	17.75	0.932	0.699	29.58	1.165	-	-	48
16:9 mode																
ARRIRAW[2] *(external)*	2.8K	2880	1620	2880	1620	2880	1620	23.76	13.37	0.935	0.526	27.26	1.073	7.0	7.008.640	60
MOV/ProRes	2K (2048x1152)	2868	1614	2048	1152	2048	1152	23.66	13.32	0.932	0.524	27.15	1.069	-	-	60
	HD (1920x1080)	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	120[1]
MXF/DNxHD	HD (1920x1080)	2880	1620	1920	1080	1920	1080	23.76	13.37	0.935	0.526	27.26	1.073	-	-	55

[1] max. speed may vary depending on the codec's flavour; High speed license needed (otherwise max. speed is 60fps)
[2] ARRIRAW is recorded as a .ARI file sequence