

# Formats and Resolutions Overview

## of ARRI digital motion picture cameras

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ALEXA 35 **X** *PREMIUM* Premium model

SUP 6.1 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 <sup>1</sup> | Max. FPS <sup>1</sup> Sensor Overdrive <sup>3</sup> |
|--------------------------|----------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|-----------------------|-----------------------------------------------------|
| 4.6K 3:2 Open Gate       |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                       |                                                     |
| MXF/ARRIRAW <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 | 3840                                  | 2160 | 3840                                 | 2160 | 24.88                  | 14.00 | 0.980                    | 0.551 | 28.55             | 1.124               | -                | 105/150/150           | n/a                                                 |
| MXF/ProRes               | 2K                   | 4096                                  | 2304 | 2048                                  | 1152 | 2048                                 | 1152 | 24.88                  | 14.00 | 0.980                    | 0.551 | 28.55             | 1.124               | -                | 150/150/150           | n/a                                                 |
| MXF/ProRes               | HD                   | 4096                                  | 2304 | 1920                                  | 1080 | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 <sup>2</sup> | 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 | 3840                                  | 1608 | 3840                                 | 1608 | 20.22                  | 16.95 | 0.796                    | 0.667 | 26.38             | 1.039               | -                | 120/120/120           | n/a                                                 |
| 2K 16:9 S16              |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                       |                                                     |
| MXF/ARRIRAW <sup>2</sup> | 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 <sup>2</sup> | 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                                                 |

<sup>1</sup> Compact Drive Express TTb/Compact Drive TTb/Compact Drive 2Tb; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ<sup>2</sup> ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55.<sup>3</sup> Sensor Overdrive is only available for ARRICORE recordingALEXA 35 **X** *PREMIUM* Base model

SUP 6.1 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 <sup>1)</sup> |
|---------------------------|----------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|------------------------|
| 4K 16:9                   |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                        |
| MXF/ARRIRAW <sup>2)</sup> | 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 | 3840                                  | 2160 | 3840                                 | 2160 | 24.88                  | 14.00 | 0.980                    | 0.551 | 28.55             | 1.124               | -                | 105/150/150            |
| MXF/ProRes                | 2K                   | 4096                                  | 2304 | 2048                                  | 1152 | 2048                                 | 1152 | 24.88                  | 14.00 | 0.980                    | 0.551 | 28.55             | 1.124               | -                | 150/150/150            |
| MXF/ProRes                | HD                   | 4096                                  | 2304 | 1920                                  | 1080 | 1920                                 | 1080 | 24.88                  | 14.00 | 0.980                    | 0.551 | 28.55             | 1.124               | -                | 150/150/150            |
| 3.8K 16:9                 |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                        |
| MXF/ARRIRAW <sup>2)</sup> | 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               |
| 3.8K 2.39:1               |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                        |
| MXF/ARRIRAW <sup>2)</sup> | 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               |
| 2K 16:9 S16               |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                        |
| MXF/ARRIRAW <sup>2)</sup> | 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 <sup>2)</sup> | 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               |

<sup>1</sup> Compact Drive Express TTb/Compact Drive TTb/Compact Drive 2Tb; if a range is given: max fps for ProRes 4444XQ - max fps for 4444 and 422 HQ<sup>2</sup> ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55.<sup>3</sup> 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

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### ALEXA 35 Premium model

SUP 6.1 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. FPS¹           |
|--------------------|----------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|---------------------|
| 4.6K 3:2 Open Gate |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                     |
| MXF/ARRIRAW²       | 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/ARRIRAW²       | 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/ARRIRAW²       | 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/ARRIRAW²       | 4K                   | 4096                                  | 2048 | 4096                                  | 2048 | 4096                                 | 2048 | 24.88                  | 12.44 | 0.980                    | 0.490 | 27.82             | 1.095               | 13.7             | -/65/120            |
| MXF/ProRes         | 4K                   | 4096                                  | 2048 | 4096                                  | 2048 | 4096                                 | 2048 | 24.88                  | 12.44 | 0.980                    | 0.490 | 27.82             | 1.095               | -                | 100-120/100-120/120 |
| 3.8K 16:9          |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                     |
| MXF/ARRIRAW²       | 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/ARRIRAW²       | 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         | 3.8K 2.39:1 Ana 2x   | 3328                                  | 2790 | 3840                                  | 1608 | 3840                                 | 1608 | 20.22                  | 16.95 | 0.796                    | 0.667 | 26.38             | 1.039               | -                | 75/90/90            |
| 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/ARRIRAW²       | 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 16:9 516        |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                     |
| MXF/ProRes         | 2K                   | 2048                                  | 1152 | 2048                                  | 1152 | 2048                                 | 1152 | 12.44                  | 7.00  | 0.490                    | 0.275 | 14.27             | 0.562               | -                | 120                 |

<sup>1</sup> 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<sup>2</sup> ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55.

### ALEXA 35 Base model

SUP 6.1 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. FPS¹           |
|-----------------|----------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|---------------------|
| 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                                  | 2048 | 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 16:9 516     |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                     |
| MXF/ProRes      | 2K                   | 2048                                  | 1152 | 2048                                  | 1152 | 2048                                 | 1152 | 12.44                  | 7.00  | 0.490                    | 0.275 | 14.27             | 0.562               | -                | 120/120/120         |

<sup>1</sup> 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<sup>2</sup> ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55 for details.

### ALEXA 35 LIVE

SUP 6.1 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. FPS¹           |
|-----------------|----------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|---------------------|
| 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                                  | 2048 | 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 16:9 516     |                      |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                     |
| MXF/ProRes      | 2K                   | 2048                                  | 1152 | 2048                                  | 1152 | 2048                                 | 1152 | 12.44                  | 7.00  | 0.490                    | 0.275 | 14.27             | 0.562               | -                | 120/120/120         |

<sup>1</sup> 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 6.1 or higher

| 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 <sup>1</sup> |
|--------------------------|------------------|---------------------------------------|------|---------------------------------------|------|--------------------------------------|------|------------------------|-------|--------------------------|-------|-------------------|---------------------|------------------|-----------------------|
| MXF/ARRIRAW <sup>2</sup> | 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                 |

<sup>1</sup> Compact Drive 1TB/Compact Drive 2TB<sup>2</sup> ARRIRAW is recorded in an MXF container with extended metadata, as documented in SMPTE RDD 54/55.

# Formats and Resolutions Overview

## of ARRI digital motion picture cameras

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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 <sup>1</sup> | 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       |
|                          | 4.5K LF 3:2 Open Gate - 4.5K | 4448                                  | 3096 | 4480 <sup>2</sup>                     | 3096 | 4448                                 | 3096 | 36.70                  | 25.54 | 1.445                    | 1.006 | 44.71             | 1.760               | -                | -                  | 40       |
| MXF/ProRes               | 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 <sup>1</sup> | 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 <sup>2</sup>                     | 1856 | 4448                                 | 1856 | 36.70                  | 15.31 | 1.445                    | 0.603 | 39.76             | 1.565               | -                | -                  | 60       |
| LF 16:9                  |                              |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                    |          |
| MXF/ARRIRAW <sup>1</sup> | 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 <sup>1</sup> | 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 <sup>2</sup>                     | 2880 | 2880                                 | 2880 | 23.76                  | 23.76 | 0.935                    | 0.935 | 33.60             | 1.322               | -                | -                  | 60       |
| 535 16:9, 4:3 & 3:2      |                              |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                    |          |
| MXF/ARRIRAW <sup>1</sup> | 3.4K 535 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 535 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 535 4:3 - 2.8K          | 2880                                  | 2160 | 3072 <sup>2</sup>                     | 2160 | 2880                                 | 2160 | 23.76                  | 17.82 | 0.935                    | 0.702 | 29.70             | 1.169               | -                | -                  | 75       |
|                          | 2.8K 535 16:9 - HD           | 2880                                  | 1620 | 1920                                  | 1080 | 1920                                 | 1080 | 23.76                  | 13.37 | 0.935                    | 0.526 | 27.26             | 1.073               | -                | -                  | 100      |

<sup>1</sup> clip padding: 96px left and right<sup>2</sup> clip padding: 16px left and right<sup>3</sup> ARRIRAW is recorded in a legacy MXF container based on the legacy "v3 Header" metadataAMIRA<sup>®</sup> & 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 <sup>1</sup> | Open Gate 3.4K <sup>2</sup>           | 3424                                  | 2202 | 3424                                  | 2202 | 3424                                 | 2202 | 28.25                  | 18.17 | 1.112                    | 0.715 | 33.59             | 1.322               | 11.5             | 11.529.544         | 30       |
|                          | 4K UHD                                | 3200                                  | 1800 | 3840                                  | 2160 | 3840                                 | 2160 | 26.40                  | 14.85 | 1.039                    | 0.585 | 30.29             | 1.193               | -                | -                  | 60       |
| MOV/ProRes               | 3.2K                                  | 3200                                  | 1800 | 3200                                  | 1800 | 3200                                 | 1800 | 26.40                  | 14.85 | 1.039                    | 0.585 | 30.29             | 1.193               | -                | -                  | 60       |
|                          | 4:3 2.8K (OG 3.4K) <sup>2</sup>       | 3424 <sup>2</sup>                     | 2202 | 2880                                  | 2160 | 2880                                 | 2160 | 23.76                  | 17.82 | 0.935                    | 0.702 | 29.70             | 1.169               | 11.5             | 11.529.544         | 30       |
| MXF/ARRIRAW <sup>1</sup> | 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) <sup>2</sup> | 3424 <sup>2</sup>                     | 2202 | 2560                                  | 2145 | 2560                                 | 2145 | 21.12                  | 17.70 | 0.831                    | 0.697 | 27.55             | 1.085               | 11.5             | 11.529.544         | 30       |
|                          | 2.39:1 2K Ana. <sup>4</sup>           | 2560                                  | 2145 | 2048                                  | 858  | 2048                                 | 858  | 21.12                  | 17.70 | 0.831                    | 0.697 | 27.55             | 1.085               | -                | -                  | 120      |
| MOV/ProRes               | 2K                                    | 2868                                  | 1612 | 2048                                  | 1152 | 2048                                 | 1152 | 23.66                  | 13.30 | 0.932                    | 0.524 | 27.14             | 1.069               | -                | -                  | 200      |
|                          | 16:9 HD Ana. (OG 3.4K) <sup>2</sup>   | 3424 <sup>2</sup>                     | 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. <sup>4</sup>                  | 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 <sup>3</sup>  | HD                                    | 2880                                  | 1620 | 1920                                  | 1080 | 1920                                 | 1080 | 23.76                  | 13.37 | 0.935                    | 0.526 | 27.26             | 1.073               | -                | -                  | 59.94    |
|                          | 516 HD                                | 1600                                  | 900  | 1920                                  | 1080 | 1920                                 | 1080 | 13.2                   | 7.425 | 0.520                    | 0.292 | 15.14             | 0.596               | -                | -                  | 200      |

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

<sup>1</sup> ARRIRAW is recorded as a .ARI file sequence

# Formats and Resolutions Overview

## of ARRI digital motion picture cameras

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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 <sup>1</sup> | 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 <sup>1</sup>                     | 3096 | 4448                                 | 3096 | 36.70                  | 25.54 | 1.445                    | 1.006 | 44.71             | 1.760               | -                | -                  | 60                 |
| LF 2.39:1            |                  |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                    |                    |
| ARRIRAW <sup>1</sup> | 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 <sup>1</sup>                     | 1856 | 4448                                 | 1856 | 36.70                  | 15.31 | 1.445                    | 0.603 | 39.76             | 1.565               | -                | -                  | 100                |
| LF 16:9              |                  |                                       |      |                                       |      |                                      |      |                        |       |                          |       |                   |                     |                  |                    |                    |
| ARRIRAW <sup>1</sup> | 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 <sup>2</sup> |
|                      | 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                 |

<sup>1</sup> clip padding: 16px left and right;<sup>2</sup> 40fps for ProRes 444 XQ<sup>3</sup> 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 <sup>1</sup> | 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 <sup>1</sup>                     | 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 <sup>1</sup> | 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 <sup>1</sup> | 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 <sup>1</sup>                     | 2176              | 2880                                 | 2160 | 23.76                  | 17.82 | 0.935                    | 0.702 | 29.70             | 1.169               | -                | -                  | 60       |
| 16:9 mode            |                    |                                       |      |                                       |                   |                                      |      |                        |       |                          |       |                   |                     |                  |                    |          |
| ARRIRAW <sup>1</sup> | 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 <sup>2</sup> | 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      |

<sup>2</sup> clip padding: 24px bottom<sup>3</sup> clip padding: 32px left and right; 16px bottom<sup>4</sup> clip padding: 16px left and right<sup>5</sup> 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 <sup>1</sup> | 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 <sup>1</sup> | 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 <sup>1</sup> | 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              |
|                      | 3.2K (3164x1778) | 3168                                  | 1782 | 3200 <sup>1</sup>                     | 1782 | 3164                                 | 1778 | 26.14                  | 14.70 | 1.029                    | 0.579 | 29.99             | 1.181               | -                | -                  | 30               |
| 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 <sup>2</sup> |
| MXF/DNxHD            | HD (1920x1080)   | 2880                                  | 1620 | 1920                                  | 1080 | 1920                                 | 1080 | 23.76                  | 13.37 | 0.935                    | 0.526 | 27.26             | 1.073               | -                | -                  | 120 <sup>2</sup> |

<sup>1</sup> clip padding: 18px left and right; 2px top and bottom<sup>2</sup> max. speed may vary depending on the codec's flavour; High speed license needed (otherwise max. speed is 60fps)<sup>3</sup> 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 <sup>1</sup> (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 <sup>1</sup> (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 <sup>1</sup> |
| MXF/DNxHD                       | HD (1920x1080)   | 2880                                  | 1620 | 1920                                  | 1080 | 1920                                 | 1080 | 23.76                  | 13.37 | 0.935                    | 0.526 | 27.26             | 1.073               | -                | -                  | 55               |

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