

ALEXA Classic Recording Areas, Surround Views and Electronic Framelines



March 2, 2015 as of Software Update Packet 11.0 (ALEXA Classic)

Note 1: Framelines on MON OUT are approximately 4 HD pixels wide, and framelines in EVF-1 are approximately 3 viewfinder pixels wide.

Note 2: Default framelines include "ARRI 1.66" and "ARRI 2.39 Scope 1.3x" which are not shown here for simplicity's sake.

Note 3: Sensor mode 4:3 only available for the following ALEXA Classic cameras: ALEXA Plus 4:3 and ALEXA Studio.

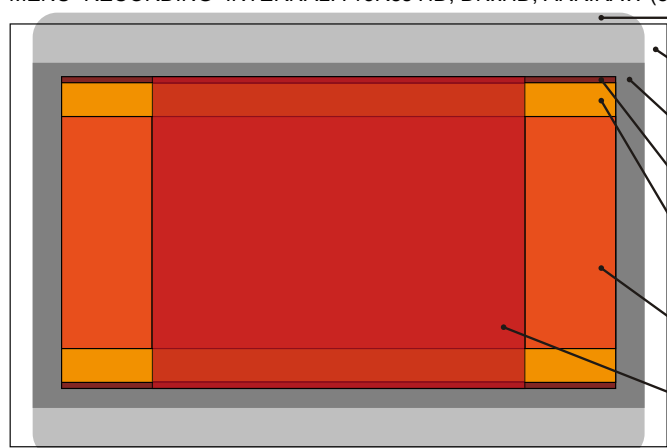
Note 4: In sensor mode 4:3 and Open Gate, the full sensor image will be displayed as pillarbox in the EVF-1 and on MON OUT.

Note 5: This drawing also applies to the 16:9 ALEXA Classic cameras with an XR Module upgrade.

Note 6: A 'photosite' is a light sensitive electronic component on a sensor. A 'pixel' is a picture element in an image file.

Sensor Mode: 16:9

MENU>RECORDING>INTERNAL: ProRes HD, DNxHD, ARRIRAW (external)



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

Surround View EVF-1/MON OUT 3168 x 1782 Photosites (1.78:1)
26.14 x 14.70 mm / 1.029 x 0.579", ϕ : 29.99 mm / 1.181"

Frameline ARRI 1.78 2880 x 1620 Photosites (1.78:1)
23.76 x 13.37 mm / 0.935 x 0.526", ϕ : 27.26 mm / 1.073"

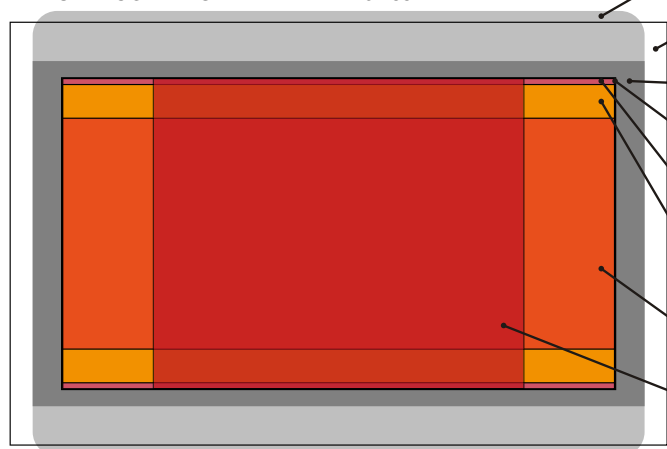
Frameline ARRI 1.85 2880 x 1558 Photosites (1.85:1)
23.76 x 12.85 mm / 0.935 x 0.506", ϕ : 27.01 mm / 1.063"

Frameline ARRI 2.39 Flat 2880 x 1206 Photosites (2.39:1)
23.76 x 9.95 mm / 0.935 x 0.392", ϕ : 25.76 mm / 1.014"

Frameline ARRI 2.39 Scope 2x 1936 x 1620 Photosites (1.195:1)
15.97 x 13.37 mm / 0.629 x 0.526", ϕ : 20.83 mm / 0.820"

Sensor Mode: 16:9

MENU>RECORDING>INTERNAL: ProRes 2K



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

Surround View EVF-1/MON OUT 3168 x 1782 Photosites (1.78:1)
26.14 x 14.70 mm / 1.029 x 0.579", ϕ : 29.99 mm / 1.181"

ARRIRAW 2880 x 1620 Photosites (1.78:1)
23.76 x 13.37 mm / 0.935 x 0.526", ϕ : 27.26 mm / 1.073"

Frameline ARRI 1.78 2868 x 1612 Photosites (1.78:1)
23.66 x 13.30 mm / 0.931 x 0.524", ϕ : 27.14 mm / 1.069"

Frameline ARRI 1.85 2868 x 1550 Photosites (1.85:1)
23.66 x 12.79 mm / 0.931 x 0.504", ϕ : 26.90 mm / 1.059"

Frameline ARRI 2.39 Flat 2868 x 1200 Photosites (2.39:1)
23.66 x 9.90 mm / 0.931 x 0.390", ϕ : 25.65 mm / 1.009"

Frameline ARRI 2.39 Scope 2x 1926 x 1612 Photosites (1.195:1)
15.89 x 13.30 mm / 0.626 x 0.524", ϕ : 20.72 mm / 0.816"

Sensor Mode: 4:3 Full

MENU>RECORDING>INTERNAL: ProRes 2K, ARRIRAW (external)



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

Surround View EVF-1/MON OUT 3168 x 2160 Photosites (1.47:1)
26.14 x 17.82 mm / 1.029 x 0.702", ϕ : 31.64 mm / 1.246"

ARRIRAW 2880 x 2160 Photosites (1.33:1)
23.76 x 17.82 mm / 0.935 x 0.702", ϕ : 29.70 mm / 1.169"

Frameline ARRI 1.33 2868 x 2150 Photosites (1.33:1)
23.66 x 17.74 mm / 0.931 x 0.698", ϕ : 29.57 mm / 1.164"

Frameline ARRI 1.78 2868 x 1612 Photosites (1.78:1)
23.66 x 13.30 mm / 0.931 x 0.524", ϕ : 27.14 mm / 1.069"

Frameline ARRI 1.85 2868 x 1550 Photosites (1.85:1)
23.66 x 12.79 mm / 0.931 x 0.504", ϕ : 26.90 mm / 1.059"

Frameline ARRI 2.39 Flat 2868 x 1200 Photosites (2.39:1)
23.66 x 9.90 mm / 0.931 x 0.390", ϕ : 25.65 mm / 1.009"

Frameline ARRI 2.39 Scope 2x 2570 x 2150 Photosites (1.195:1)
21.20 x 17.74 mm / 0.835 x 0.698", ϕ : 27.64 mm / 1.088"

ALEXA XT, XT Plus, XT M and XT Studio Recording Areas, Surround Views and Electronic Framelines



March 10, 2015 as of Software Update Packet 11.0 (ALEXA XT/XR)

Note 1: Framelines on MON OUT are approximately 4 HD pixels wide, and framelines in EVF-1 are approximately 3 viewfinder pixels wide.

Note 2: Default framelines (except Open Gate) include "ARRI 1.66" and "ARRI 2.39 Scope 1.3x" which are not shown here for simplicity's sake.

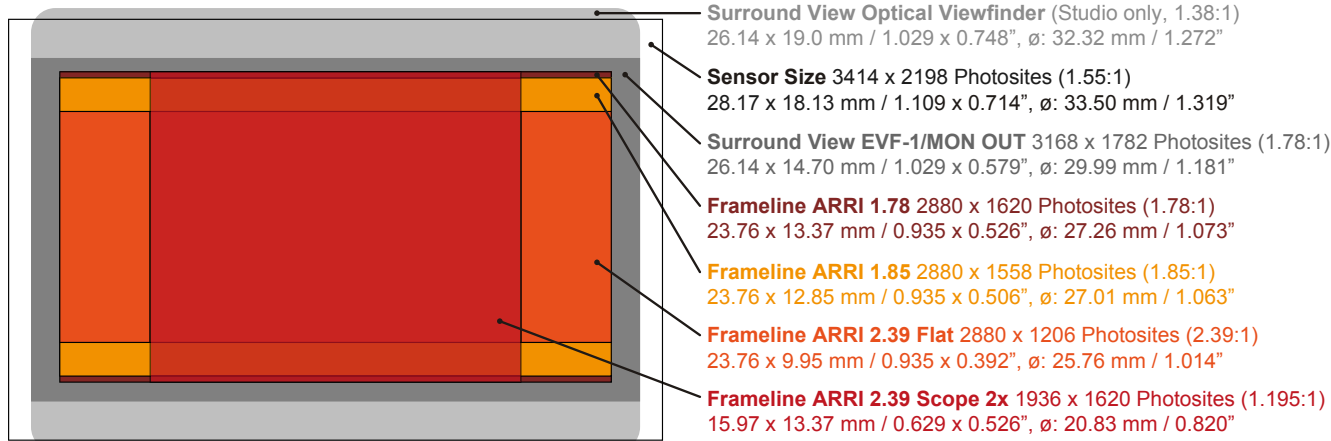
Note 3: In sensor mode 4:3 and Open Gate, the full sensor image will be displayed as pillarbox in the EVF-1 and on MON OUT.

Note 4: 4:3 Full, 4:3 Cropped and Open Gate dimensions are on page 2 of this document.

Note 5: A 'photosite' is a light sensitive electronic component on a sensor. A 'pixel' is a picture element in an image file.

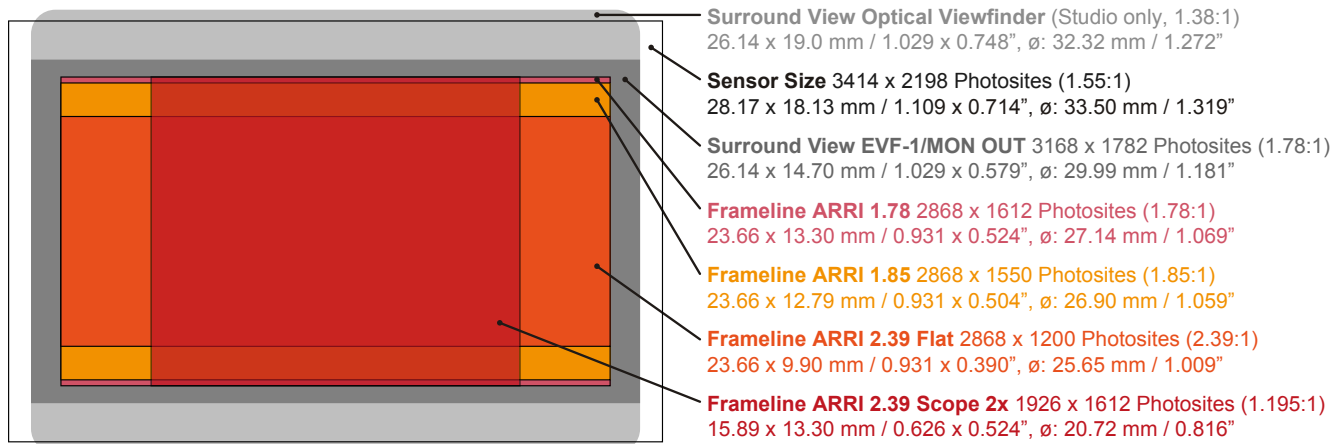
Sensor Mode: 16:9

MENU>RECORDING>INTERNAL: ARRIRAW, ProRes HD or DNxHD



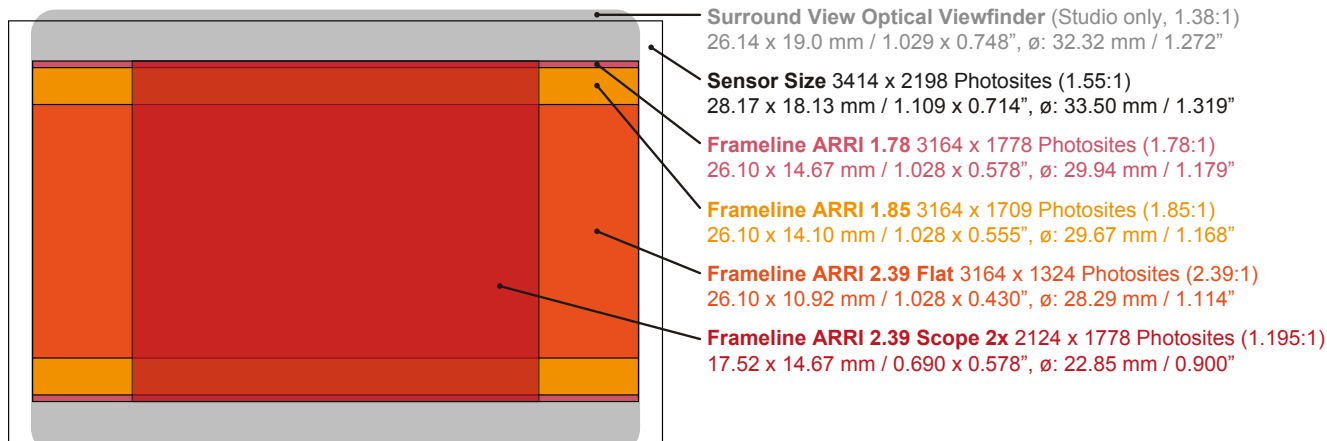
Sensor Mode: 16:9

MENU>RECORDING>INTERNAL: ProRes 2K



Sensor Mode: 16:9

MENU>RECORDING>INTERNAL: ProRes 3.2K

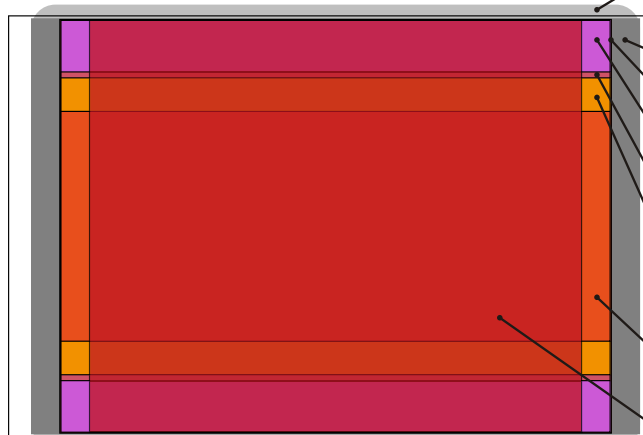


ALEXA XT, XT Plus, XT M and XT Studio Recording Areas, Surround Views and Electronic Framelines



Sensor Mode: 4:3 Full

MENU>RECORDING>INTERNAL: ARRIRAW or ProRes 2K



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

Surround View EVF-1/MON OUT 3168 x 2160 Photosites (1.47:1)
26.14 x 17.82 mm / 1.029 x 0.702", ϕ : 31.64 mm / 1.246"

ARRIRAW 2880 x 2160 Photosites (1.33:1)
23.76 x 17.82 mm / 0.935 x 0.702", ϕ : 29.70 mm / 1.169"

Frameline ARRI 1.33 2868 x 2150 Photosites (1.33:1)
23.66 x 17.74 mm / 0.931 x 0.698", ϕ : 29.57 mm / 1.164"

Frameline ARRI 1.78 2868 x 1612 Photosites (1.78:1)
23.66 x 13.30 mm / 0.931 x 0.524", ϕ : 27.14 mm / 1.069"

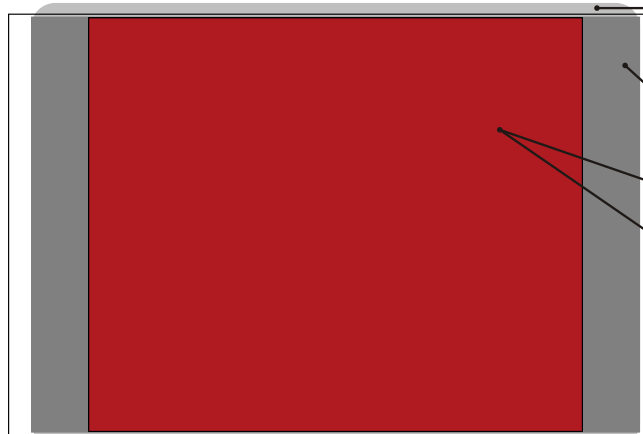
Frameline ARRI 1.85 2868 x 1550 Photosites (1.85:1)
23.66 x 12.79 mm / 0.931 x 0.504", ϕ : 26.90 mm / 1.059"

Frameline ARRI 2.39 Flat 2868 x 1200 Photosites (2.39:1)
23.66 x 9.90 mm / 0.931 x 0.390", ϕ : 25.65 mm / 1.009"

Frameline ARRI 2.39 Scope 2x 2570 x 2150 Photosites (1.195:1)
21.20 x 17.74 mm / 0.835 x 0.698", ϕ : 27.64 mm / 1.088"

Sensor Mode: 4:3 Cropped

MENU>RECORDING>INTERNAL: ARRIRAW



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

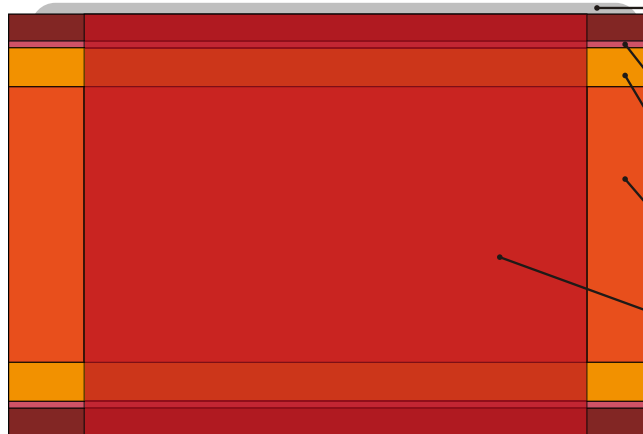
Surround View EVF-1/MON OUT 3168 x 2160 Photosites (1.47:1)
26.14 x 17.82 mm / 1.029 x 0.702", ϕ : 31.64 mm / 1.246"

ARRIRAW 2578 x 2160 Photosites (1.195:1)
21.27 x 17.82 mm / 0.837 x 0.702", ϕ : 27.75 mm / 1.093"

Frameline ARRI 2.39 Scope 2x 2578 x 2160 Photosites (1.195:1)
21.27 x 17.82 mm / 0.837 x 0.702", ϕ : 27.75 mm / 1.093"

Sensor Mode: Open Gate

MENU>RECORDING>INTERNAL: ARRIRAW



Surround View Optical Viewfinder (Studio only, 1.38:1)
26.14 x 19.0 mm / 1.029 x 0.748", ϕ : 32.32 mm / 1.272"

Sensor Size = ARRIRAW 3414 x 2198 Photosites (1.55:1)
28.17 x 18.13 mm / 1.109 x 0.714", ϕ : 33.50 mm / 1.319"

Frameline ARRI 1.78 3414 x 1918 Photosites (1.78:1)
28.17 x 15.82 mm / 1.109 x 0.623", ϕ : 32.31 mm / 1.272"

Frameline ARRI 1.85 3414 x 1846 Photosites (1.85:1)
28.17 x 15.23 mm / 1.109 x 0.504", ϕ : 32.02 mm / 1.261"

Frameline ARRI 2.39 Flat 3414 x 1428 Photosites (2.39:1)
28.17 x 11.87 mm / 1.109 x 0.467", ϕ : 30.57 mm / 1.204"

Frameline ARRI 2.39 Scope 2x 2626 x 2198 Photosites (1.195:1)
21.66 x 18.13 mm / 0.853 x 0.714", ϕ : 28.25 mm / 1.112"