

ALEXA FAMILY FEATURE OVERVIEW

ALEXA CLASSIC CAMERAS

ALEXA XT CAMERAS



| ALEXA MODEL | ALEXA | ALEXA Plus | ALEXA HD (Fiber Remote) ⁽¹⁾ | ALEXA Plus 4:3 | ALEXA M | ALEXA Studio | ALEXA XT | ALEXA XT Plus | ALEXA XT M | ALEXA XT Studio |
|----------------------------------------------------------|-------------------------|-------------------------|----------------------------------------|-------------------------|-------------------------|---------------------------|--------------------------|--------------------------|-------------------------------------|---------------------------|
| Sensor Modes ⁽²⁾ | 16:9 | 16:9 | 16:9 | 16:9, 4:3 | 16:9, 4:3 | 16:9, 4:3 | 16:9, 4:3, Open Gate | 16:9, 4:3, Open Gate | 16:9, 4:3, Open Gate ⁽³⁾ | 16:9, 4:3, Open Gate |
| Maximum number of active sensor photo sites | 2880 x 1620 | 2880 x 1620 | 2880 x 1620 | 2880 x 2160 | 2880 x 2160 | 2880 x 2160 | 3414 x 2198 | 3414 x 2198 | 2880 x 2160 ⁽³⁾ | 3414 x 2198 |
| Exposure latitude (stops) ⁽⁴⁾ | > 14 | > 14 | > 14 | > 14 | > 14 | > 14 | > 14 | > 14 | > 14 | > 14 |
| Base sensitivity (EI) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| Exposure Index (EI) | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 | 160 - 3200 |
| Maximum frame rate 16:9 (fps) ⁽⁵⁾ | 120 ⁽⁶⁾ | 120 ⁽⁴⁾ | 120 ⁽⁶⁾ | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Maximum frame rate 4:3 (fps) ⁽⁵⁾ | - | - | - | 48 | 48 | 48 | 90 | 90 | 90 | 90 |
| Sound level (db(A)) | < 20 | < 20 | < 20 | < 20 | < 20 | < 20 | < 19 | < 19 | < 19 | < 19 |
| Electronic shutter angle (degrees) | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 | 5 - 358 |
| Mirror shutter angle (degrees) | - | - | - | - | - | 11.2 - 180 | - | - | - | 11.2 - 180 |
| Weight (Kg/lbs) | 7.7/16.9 ⁽⁷⁾ | 8.4/18.5 ⁽⁷⁾ | 7.5/16.5 ⁽⁸⁾ | 8.4/18.5 ⁽⁷⁾ | 5.5/12.1 ⁽⁹⁾ | 10.2/22.5 ⁽¹⁰⁾ | 8.0/17.6 ⁽¹¹⁾ | 8.7/19.2 ⁽¹¹⁾ | 5.8/12.8 ⁽¹²⁾ | 10.5/23.1 ⁽¹³⁾ |
| Electronic viewfinder | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ ⁽¹⁴⁾ | ✓ | ✓ | ✓ | ✓ ⁽¹⁴⁾ |
| Optical viewfinder | - | - | - | - | - | ✓ | - | - | - | ✓ |
| In-camera recording to SxS PRO cards | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ ⁽¹⁵⁾ | ✓ ⁽¹⁵⁾ | ✓ ⁽¹⁵⁾ | ✓ ⁽¹⁵⁾ |
| In-camera recording to XR Capture Drives ⁽¹⁶⁾ | - | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ |
| In-camera recording to CFast 2.0 cards ⁽¹⁶⁾ | - | - | - | - | - | - | ✓ ⁽¹⁷⁾ | ✓ ⁽¹⁷⁾ | ✓ ⁽¹⁷⁾ | ✓ ⁽¹⁷⁾ |
| ARRIRAW recording ⁽¹⁸⁾ | T-Link | T-Link | - | T-Link | T-Link | T-Link | In-camera | In-camera | In-camera | In-camera |
| In-camera ProRes HD recording | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| In-camera ProRes 2K recording | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| In-camera DNxHD HD recording | ✓ ⁽¹⁹⁾ | ✓ ⁽¹⁹⁾ | ✓ ⁽¹⁹⁾ | ✓ | ✓ ⁽¹⁹⁾ | ✓ | ✓ ⁽¹⁹⁾ | ✓ | ✓ ⁽¹⁹⁾ | ✓ |
| ProRes pre-recording | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 180° image rotation ⁽²⁰⁾ | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Integrated CDL server | - | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ |
| Lens Data System | - | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Integrated wireless camera and lens control | - | ✓ | - | ✓ | - | ✓ | - | ✓ | - | ✓ |
| Tilt and roll sensors | - | ✓ | - | ✓ | - | ✓ | - | ✓ | - | ✓ |
| Electronic horizon | - | ✓ | - | ✓ | - | ✓ | - | ✓ | - | ✓ |
| Behind the lens ND filter ⁽²¹⁾ | - | - | - | - | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| HD-SDI video output connectors | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 4 |
| 24 V accessory power connectors (RS) | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |

(1) ALEXA HD does not include and cannot be upgraded to ARRIRAW, ProRes 2K, DNxHD 444, 4:3 sensor mode, 3D sync, pre-recording or the XR Module. It can, however, be upgraded to an ALEXA HD Plus.

(2) Open Gate recording possible only in ARRIRAW

(3) Open Gate sensor mode for ALEXA XT M is not available in SUP 9.1 but planned for a future software upgrade.

(4) As measured with the ARRI Dynamic Range Test Chart (DRTC-1)

(5) Minimum frame rate is always 0.75 fps

(6) High Speed license required for 60 - 120 fps

(7) Includes camera body, SxS module, Electronic Viewfinder EVF-1, Viewfinder Mounting Bracket VMB-3, viewfinder cable short and Center Camera Handle CCH-1

(8) Includes camera body, SxS module, Fiber Remote Box and Center Camera Handle CCH-1

(9) Includes camera head, camera body and SxS module

(10) Includes camera body, SxS module, Optical Viewfinder OVF-1 and Center Camera Handle CCH-1

(11) Includes camera body, XR module, Electronic Viewfinder EVF-1, Viewfinder Mounting Bracket VMB-3, viewfinder cable short and Center Camera Handle CCH-1

(12) Includes camera head, camera body and XR module

(13) Includes camera body, XR module, Optical Viewfinder OVF-1 and Center Camera Handle CCH-1

(14) Camera is delivered with optical viewfinder; use of electronic viewfinder instead of optical viewfinder possible.

(15) Requires SxS Adapter

(16) ALEXA Classic cameras (except ALEXA HD) can be upgraded with the XR Module to accept XR Capture Drives, SxS PRO cards and CFast 2.0 cards.

(17) Requires CFast 2.0 Adapter

(18) ARRIRAW T-Link requires external ARRIRAW recorder

(19) Requires purchase of DNxHD license

(20) 180° image rotation not available with SUP 9.1 but planned for SUP 10. .

(21) ALEXA Studio and ALEXA XT Studio have a motorized filter slider with an ND 1.3 option. ALEXA XT, XT M and XT Plus have the Internal Filter Module IFM-1 for manual insertion of one ARRI Full Spectrum Neutral Density (FSND) filter. ALEXA Classic cameras can be upgraded with the Internal Filter Module (IFM-1) Set

All information as of SUP 9.2 (ALEXA Classic) and SUP 9.2 (ALEXA XT/XR)