

ARRI ALEXA SXT EV

Sensor

Type 35 mm Format CMOS

Color Filter System Bayer Pattern

Sensor Mode 16:9
ARRIRAW 2.8K: 2880 x 1620
ARRIRAW 3.2K: 3168 x 1782
16:9 ProRes HD: 2880 x 1620 Down-Sampled to 1920 x 1080
16:9 ProRes 2K: 2880 x 1620 Down-Sampled to 2048 x 1152
16:9 ProRes 3.2K: 3200 x 1800
16:9 ProRes UHD 4K: 3200 x 1800 Up-Sampled to 3840 x 2160

Active Photo Sites
Sensor Mode 6:5
6:5 ARRIRAW 2.6K: 2578 x 2160
6:5 ProRes 2K Anamorphic: 2560 x 2146 Down-Sampled to 2048 x 858
6:5 ProRes 4K Anamorphic: 2560 x 2146 Re-Sampled to 4096 x 1716

Sensor Mode 4:3
4:3 ARRIRAW 2.8K: 2880 x 2160
4:3 ProRes 2.8K: 2880 x 2160

Sensor Mode Open Gate
Open Gate ARRIRAW 3.4K: 3424 x 2202
Open Gate ProRes 3.4K: 3424 x 2202
Open Gate ProRes 4K Cine: 3414 x 2198 Up-Sampled to 4096 x 2636

Operating Modes

16:9, 6:5, 4:3 or Open Gate Sensor Modes

Image Processing

Internal: 16-Bit linear processing in full ALEXA Wide Gamut/Log C color space

Target Output: Log C, Rec 709 or Rec 2 color spaces

Camera

Lens Mount

54 mm Stainless Steel LDS PL Mount, Super 35-Centered

52.00 mm Nominal Flange Focal Depth (Without FSND Filters)

16:9:

0.75 - 120 fps

6:5:

0.75 - 96 fps

Frame Rates

4:3:

0.75 - 96 fps

Open Gate:

0.75 - 90 fps

Electronic Shutter

5-358° up to 60 fps

5.0° to 356° Above 60 fps

Adjustable Shutter Angle: 1/10° Increments

Built-In Filters	Optical Low-Pass UV IR
Exposure Latitude	14+ Stops from EI 160-3200
Exposure Index	Number of Stops Above/Below 18% Gray: EI 160 +5.2/-9.3 EI 200 +5.6/-8.9 EI 400 +6.6/-7.9 EI 800 +7.8/-6.7 EI 1600 +8.6/-5.9 EI 3200 +9.7/-4.8
White Balance Modes	Presets: 3200 (Tungsten) 4300 (Fluorescent) 5600 (Daylight) 7000 (Daylight Cool) Automatic or Manual: 2000 to 11,000 Kelvin, Adjustable in 100K Steps
Color Correction	Green/Magenta Adjustable Range: -12 to +12 CC

Audio

Sound Level

Audio Input

1 x 5-Pin XLR for 2-Channel, Line Level, Balanced
Audio A/D Conversion: 24-Bit, 48 kHz

Audio Recording

Uncompressed PCM Audio: ARRIRAW, ProRes,
Embedded in HD-SDI Output

Headphone Output

Maximum: 2.5 dBm

Controls

Control Interface

Transflective Color LCD Screen:
3" (76.2 mm)
400 x 240 pixels

Recording

Recording Codecs

16:9:

ProRes UHD 4K/3.2K/2K/HD: 4444 XQ, 4444, 422 HQ, 422

ARRIRAW 3.2K, 2.8K

6:5:

ProRes 4K Cine Anamorphic 4444 XQ, 4444, 422 HQ, 422

ProRes 2K Anamorphic 4444 XQ, 4444, 422 HQ, 422

ARRIRAW 2.6K

4:3:

ProRes 2.8K: 4444 XQ, 4444, 422 HQ, 422

ARRIRAW 2.8K

Open Gate:

ProRes 4K Cine: 4444 XQ, 4444, 422 HQ, 422

ProRes 3.4K: 4444 XQ, 4444, 422 HQ, 422

ARRIRAW 3.4K

Recording Media

SxS PRO or SxS PRO+ Cards (Requires SxS Adapter 2)

CFast 2.0 Cards (Requires CFast 2.0 Adapter 2)

XR Capture Drives (Requires XR Adapter)

SXR Capture Drives (Requires SXR Adapter)

SXR Capture Drive: Requires SXR Adapter B&H #
ARK2.0008429 ARRI # K2.0008429
SXR Capture Drive 1 TB (Red Collar) CDX-37019 B&H
ARK2.0006942 ARRI # K2.0006942
SXR Capture Drive 2 TB (Blue Collar) CDX-37021 B&H
ARK2.0006157 ARRI # K2.0006157

Codex XR Capture Drive: Requires XR Adapter B&H #
ARK2.0008430 ARRI # K2.0008430
XR Capture Drive 512 GB CDX-3730 ARRI # ---

Supported Media

SxS (ExpressCard/34): Requires SxS Adapter 2 B&H #
ARK2.0006338 ARRI # K2.0006338
Sony SxS PRO/PRO+ 64 GB SBP-64A-D B&H #
SOSBP64E Mfr. # SBP64E
Sony SxS PRO 128 GB SBP-128B-E B&H #
SOSBP128E ARRI # K2.0003106
Sony SxS PRO 256 GB SBP-256D/E B&H #
ARSXSP256 GB ARRI # K2.0014951

CFast 2.0: Requires Cfast 2.0 Adapter B&H #
ARK2.00063 ARRI # K2.0006337
Lexar 3600x Cfast 2.0 256 GB LC256Cxxxx3600/G2
ARRI # ---

Interfaces / Ports

Connectors	Media Slot: 1 x SD Card Slot Monitor Out 1.5G HD/SD-SDI: 3 x BNC Audio In: 1 x XLR, 5-Pin Analog Return/Sync In 1.5G HD-SDI: 1 x BNC External Accessory Interface: 1 x 16-Pin LEMO Battery In: 1 x Fischer 2-Pin, 24 V Remote Start/Accessory Out: 2 x 3-Pin Fischer, 24 V Accessory Power Out: 1 x 2-Pin LEMO, 12 V Timecode In/Out: 1 x 5-Pin LEMO Headphone Out: 1 x TRS 3.5 mm Mini Stereo EVF: 1 x Custom 16-Pin LEMO Ethernet: 1 x Custom 10-Pin LEMO with 24 V Power
Power Input	12 V Connector: Limited to 12 V, up to 2.2 A RS, EXT and Ethernet: Input Below 24 V is Regulated up to 24 V Input Above 24 V: Input Voltage = Output Voltage RS and EXT Connectors: Combined are Limited to 2.2 A Ethernet: Limited to 1.2 A
Environmental	
Operating Temperature	-4 to 113°F / -20 to 45°C
Dust and Humidity	95% maximum Humidity (Non-Condensing) Splash and Dustproof
Physical	

Dimensions (LxWxH)

13 x 6.5 x 6.2" / 33.1 x 16.6 x 15.8 cm

Weight

14.3 lb / 6.5 kg