

Technical Data

Model

ALEXA SXT W

Sensor Type

Super 35 format ARRI ALEV III CMOS sensor
with Bayer pattern color filter array

Sensor Maximum Number of Photosites and Size

3424 x 2202
28.25 x 18.17 mm / 1.112 x 0.715"
ø 33.59 mm / 1.322"

Sensor Frame Rates

0.75 - 120 fps

Weight

~7.4 kg / ~16.3 lbs
(camera body with PL lens mount)

Photosite Pitch

8.25 µm

Sensor Active Image Area (photosites)

16:9 ProRes HD: 2880 x 1620
16:9 ProRes 2K: 2880 x 1620
16:9 ProRes 3.2K: 3200 x 1800
16:9 ProRes 4K UHD: 3200 x 1800
16:9 ARRIRAW 2.8K: 2880 x 1620
16:9 ARRIRAW 3.2K: 3168 x 1782
6:5 ProRes 2K Anamorphic: 2560 x 2146
6:5 ProRes 4K Cine Anamorphic: 2560 x 2146
6:5 ARRIRAW 2.6K: 2578 x 2160
4:3 ProRes 2.8K: 2880 x 2160
4:3 ARRIRAW 2.8K: 2880 x 2160
Open Gate ProRes 3.4K: 3424 x 2202
Open Gate ProRes 4K Cine: 3414 x 2198
Open Gate ARRIRAW 3.4K: 3424 x 2202

Sensor Active Image Area (dimensions)

16:9 ProRes HD: 23.76 x 13.37 mm / 0.935 x 0.526"

16:9 ProRes 2K: 23.76 x 13.37 mm / 0.935 x 0.526"

16:9 ProRes 3.2K: 26.40 x 14.85 mm / 1.039 x 0.585"

16:9 ProRes 4K UHD: 26.40 x 14.85 mm / 1.039 x 0.585"

16:9 ARRIRAW 2.8K: 23.76 x 13.37 mm / 0.935 x 0.526"

16:9 ARRIRAW 3.2K: 26.14 x 14.70 mm / 1.029 x 0.579"

6:5 ProRes 2K Anamorphic: 21.12 x 17.70 mm / 0.831 x 0.697"

6:5 ProRes 4K Cine Anamorphic: 21.12 x 17.70 mm / 0.831 x 0.697"

6:5 ARRIRAW 2.6K: 21.38 x 17.82 mm / 0.842 x 0.702"

4:3 ProRes 2.8K: 23.76 x 17.82 mm / 0.935 x 0.702"

4:3 ARRIRAW 2.8K: 23.76 x 17.82 mm / 0.935 x 0.702"

Open Gate ProRes 3.4K: 28.25 x 18.17 mm / 1.112 x 0.715"

Open Gate ProRes 4K Cine: 28.17 x 18.13 mm / 1.109 x 0.714"

Open Gate ARRIRAW 3.4K: 28.25 x 18.17 mm / 1.112 x 0.715"

Recording File Container Size (pixel)

16:9 ProRes HD: 1920 x 1080

16:9 ProRes 2K: 2048 x 1152

16:9 ProRes 3.2K: 3200 x 1824

16:9 ProRes 4K UHD: 3840 x 2160

16:9 ARRIRAW 2.8K: 2880 x 1620

16:9 ARRIRAW 3.2K: 3168 x 1782

6:5 ProRes 2K Anamorphic: 2048 x 858

6:5 ProRes 4K Cine Anamorphic: 4096 x 1716

6:5 ARRIRAW 2.6K: 2592 x 2160

4:3 ProRes 2.8K: 2944 x 2176

4:3 ARRIRAW 2.8K: 2944 x 2176

Open Gate ProRes 3.4K: 3456 x 2202

Open Gate ProRes 4K Cine: 4096 x 2636

Open Gate ARRIRAW 3.4K: 3424 x 2202

Recording File Image Content (pixel)

16:9 ProRes HD: 1920 x 1080

16:9 ProRes 2K: 2048 x 1152

16:9 ProRes 3.2K: 3200 x 1800

16:9 ProRes 4K UHD: 3840 x 2160

16:9 ARRIRAW 2.8K: 2880 x 1620

16:9 ARRIRAW 3.2K: 3168 x 1782

6:5 ProRes 2K Anamorphic: 2048 x 858

6:5 ProRes 4K Cine Anamorphic: 4096 x 1716

6:5 ARRIRAW 2.6K: 2578 x 2160

4:3 ProRes 2.8K: 2880 x 2160

4:3 ARRIRAW 2.8K: 2280 x 2160

Open Gate ProRes 3.4K: 3424 x 2202

Open Gate ProRes 4K Cine: 4096 x 2636

Open Gate ARRIRAW 3.4K: 3424 x 2202

Exposure Latitude

14+ stops over the entire sensitivity range from EI 160 to EI 3200 as measured with the ARRI Dynamic Range Test Chart (DRTC-1)

Exposure Index

Adjustable from EI 160-3200 in 1/3 stops
EI 800 base sensitivity

Shutter

Electronic shutter, 5.0° - 358°

Recording Formats

ARRIRAW (.ari)

Apple ProRes 4444 XQ

Apple ProRes 4444

Apple ProRes 422 HQ

Apple ProRes 422

Recording Media

SXR Capture Drives

XR Capture Drives

SxS PRO+ Cards

CFast 2.0 Cards

Recording Frame Rates

16:9 ProRes HD: 0.75 - 120 fps
 16:9 ProRes 2K: 0.75 - 120 fps
 16:9 ProRes 3.2K: 0.75 - 72 fps
 16:9 ProRes 4K UHD: 0.75 - 50 fps
 16:9 ARRIRAW 2.8K: 0.75 - 120 fps
 16:9 ARRIRAW 3.2K: 0.75 - 120 fps
 6:5 ProRes 2K Anamorphic: 0.75 - 96 fps
 6:5 ProRes 4K Cine Anamorphic: 0.75 - 60 fps
 6:5 ARRIRAW 2.6K: 0.75 - 96 fps
 4:3 ProRes 2.8K: 0.75 - 60 fps
 4:3 ARRIRAW 2.8K: 0.75 - 96 fps
 Open Gate ProRes 3.4K: 0.75 - 60 fps
 Open Gate ProRes 4K Cine: 0.75 - 48 fps
 Open Gate ARRIRAW 3.4K: 0.75 - 90 fps

Recording Modes

Standard real-time recording
 Pre-recording (ProRes only)
 No Intervalometer

Viewfinder Type

Electronic Viewfinder EVF-1

Viewfinder Technology

F-LCOS viewfinder display

Viewfinder Resolution (pixel)

1280 x 784

Viewfinder Diopter

Adjustable from -5 to +5 diopters

Color Output

Rec 709
 Rec 2020
 Log C
 Custom Look (ARRI Look File ALF-2)

Look Control

Import of custom 3D LUT
 ASC CDL parameters (slope, offset, power, saturation)

White Balance

Manual and auto white balance, adjustable from 2000K to 11000K in 100K steps
Color correction adjustable range from -12 to +12 CC
1 CC corresponds to 035 Kodak CC values or 1/8 Rosco values

Filters

Manual behind the lens FSND filters: Optical Clear, 0.3, 0.6, 0.9, 1.2, 1.5, 1.8, 2.1, 2.4
Fixed optical low pass, UV, IR filter

Image Outputs

1x proprietary signal output for EVF-1 viewfinder
4x MON OUT: 1,5G (SMPTE ST292-1) uncompressed HD video with embedded audio and metadata

Lens Squeeze Factors

1.00
1.30
2.00, 2.00 mag.

Exposure and Focus Tools

False Color
Peaking
Zoom

Audio Input

1x XLR 5pin balanced stereo line in
(Line input max. level +24dBu correlating to 0dBFS)

Audio Output

3,5mm stereo headphone jack
SDI (embedded)

Audio Recording

2 channel linear PCM, 24 bit 48 kHz

Remote Control Options



Web-based remote control from phones, tablets and laptops via WiFi & Ethernet
WCU-4 hand unit with control over lens motors and operational parameters via built-in white radio
Remote Control Unit RCU-4 via Ethernet

Interfaces

1x LEMO 5pin LTC Timecode In/Out
1x BNC SDI Return In
1x LEMO 16pin EXT for accessories and sync
1x LEMO 10pin Ethernet for remote control and sync
1x SD Card (for user setups, look files etc)
3x Fischer 12pin connectors for CLM lens motors
2x Fischer 5pin LCS Lens Control System connectors for hand units
1x LDD Lens Data Display connector

Wireless Interfaces

Built-in WiFi module (IEEE 802.11b/g)
Built-in White Radio for ARRI lens and camera remote control
Built-in Wireless Video System

Lens Mounts

PL lens mount
LPL lens mount

Flange Focal Depth

PL mount: 52 mm
LPL mount: 44 mm

Power Input

1x Fischer 2pin BAT connector (10.5-34 V DC)
1x On-board battery interface (10.5-34 V DC)

Power Consumption

min. 88W
max. 141W
(Camera body with EVF-1)

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ALEXA SXT W

3x Fischer 3pin 24V RS
1x LEMO 2pin 12V



Power Outputs

Power Management

Active ORing between BAT connector and on-board battery adapters

Measurements (HxWxL)

158 x 189 x 351 mm / 6.22 x 7.44 x 13.82"
(camera body with PL lens mount)

Operating Temperature

-20° C to +45° C / -4° F to +113° F @ 95%
relative humidity max, non condensing

Storage Temperature

-30° C to +70° C / -22° F to +158° F

Sound Level

< 20 dB(A) at 24fps

Software Licenses

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