

Pentax K-S1 Full Specifications

Price

MSRP \$749 / £549 (body only), \$799 / £599 (with 18-55mm lens)

Body type

Body type Mid-size SLR

Body material Composite

Sensor

Max resolution 5472 x 3848

Other resolutions 4224 x 2816, 3456 x 2304, 3072 x 2448, 1920 x 1080

Image ratio w:h 3:2

Effective pixels 20 megapixels

Sensor photo detectors 20 megapixels

Sensor size APS-C (23.5 x 15.6 mm)

Sensor type CMOS

Processor Prime MII

Color space sRGB, AdobeRGB

Color filter array Primary color filter

Image

ISO Auto, 100 - 51200

White balance presets 9

Custom white balance Yes

Image stabilization Sensor-shift

Image stabilization notes 3-axis

Uncompressed format RAW

JPEG quality levels	Good, Better, Best
File format	<ul style="list-style-type: none"> • JPEG (Exif v2.3, DCF 2.0 compliant) • Raw (PEF/DNG)
Optics & Focus	<ul style="list-style-type: none"> • Contrast Detect (sensor) • Phase Detect • Multi-area • Center
Autofocus	<ul style="list-style-type: none"> • Selective single-point • Tracking • Single • Continuous • Face Detection • Live View
Autofocus assist lamp	Yes
Digital zoom	No
Manual focus	Yes
Number of focus points	11
Lens mount	Pentax KAF2
Focal length multiplier	1.5×
Screen / viewfinder	
Articulated LCD	Fixed
Screen size	3"
Screen dots	921,000
Touch screen	No

Screen type	TFT-LCD
Live view	Yes
Viewfinder type	Optical (pentaprism)
Viewfinder coverage	100%
Viewfinder magnification	0.95×

Photography features

Minimum shutter speed 30 sec

Maximum shutter speed 1/6000 sec

- Program
 - Sensitivity Priority
 - Shutter Priority
- Exposure modes**
- Aperture Priority
 - Shutter & Aperture Priority
 - Manual
 - Bulb
 - Portrait
 - Landscape
 - Macro
 - Moving Object
- Scene modes**
- Night Scene Portrait
 - Sunset
 - Blue Sky
 - Forest
 - Night Scene

- Night Scene HDR
- Night Snap
- Food
- Pet
- Kids
- Surf & Snow
- Backlight Silhouette
- Candlelight
- Stage Lighting
- Museum

Built-in flash	Yes (Pop-up)
Flash range	10.00 m (at ISO 100)
External flash	Yes (via hot shoe)
Flash modes	Auto, auto + redeye, on, on + redeye reduction, slow sync, trailing curtain sync, manual
Flash X sync speed	1/180 sec
	<ul style="list-style-type: none"> • Single • Continuous (Hi, Lo)
Drive modes	<ul style="list-style-type: none"> • Self-Timer • Remote • Exposure bracketing
Continuous drive	5 fps
Self-timer	Yes (2 or 12 seconds)
Metering modes	<ul style="list-style-type: none"> • Multi • Center-weighted

- Spot

Exposure compensation ±5 (at 1/3 EV, 1/2 EV steps)

AE Bracketing ±3 (3 frames at 1/3 EV, 1/2 EV steps)

WB Bracketing No

Videography features

Resolutions 1920 x 1080 (30,25,24 fps), 1280 x 720 (60,50 fps)

Format H.264

Microphone Stereo

Speaker Mono

Storage

Storage types SD/SDHC/SDXC

Connectivity

USB USB 2.0 (480 Mbit/sec)

HDMI Yes (micro-HDMI)

Microphone port No

Headphone port No

Wireless Eye-Fi Connected

Remote control Yes (via optional wireless remote)

Physical

Environmentally sealed No

Battery Battery Pack

Battery description D-LI109 lithium-ion battery and charger

Battery Life (CIPA) 410

Weight (inc. batteries) 558 g (1.23 lb / 19.68 oz)

Dimensions 121 x 93 x 70 mm (4.76 x 3.66 x 2.76")

Other features

Orientation sensor Yes

GPS Optional

GPS notes O-GPS-1

More information available here - <http://thenewcamera.com/tag/pentax-k-s1/>