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PENTAX KF

PENTAX KF – Redefining the essential values of SLR photography

	ART. CODE	EAN
PENTAX KF (BLACK) BODY KIT	01183	027075305069
PENTAX KF (BLACK) 18-55WR KIT	01202	027075305168

Clear-view optical viewfinder

The PENTAX KF incorporates a glass prism finder featuring the same optics and coatings as those used in higher-level models. With its approximately 100% field of view and nearly 0.95-times magnification.

Super-high-resolution images

... captured with approximately 24.24 effective megapixels and at ISO 102400

With an AA-filter-free optical design, this image sensor delivers super-high-resolution images. The PENTAX KF effectively minimizes noise at all sensitivity levels and captures rich-gradation, fine-detailed images even in super-high-sensitivity shooting at a top sensitivity of ISO 102400.

Dustproof, weather-resistant body

... perfect for rugged outdoor photography

The PENTAX KF is a dependable performer even in such demanding settings as in the rain or at locations prone to dust and freezing temperatures.

Vari-angle LCD monitor

... for easy image viewing from all angles

It allows the monitor to be positioned at the desired angle, making it easier to compose images in a wide variety of applications: high-angle shooting using outstretched arms, low-angle shots taken from ground level or astronomical photography with the camera pointed upwards toward a star-filled sky.

PENTAX-original shake-reduction system

... featuring the Pixel Shift Resolution System

Thanks to the PENTAX-original SR (IBIS) mechanism, the PENTAX KF provides a compensation effect of 4.5 shutter steps.

It features also the latest super-resolution technology called Pixel Shift Resolution System which supply super-high-resolution images with far more truthful colors and much finer details than those produced by conventional APS-C-size image sensors.

Since the PENTAX KF's image sensor unit is designed to tilt in all directions, it provides a host of handy shooting functions, including: ASTROTRACER, which simplifies advanced astronomical photography in combination with the optional O-GPS2 GPS Unit.

Kit Accessories

RECHARGEABLE-ION BATTERY D-LI109	39067	027075182189
BATTERY CHARGER D-BC186	37905	027075305311
USB CABLE I-USB166	37822	027075300330
PENTAX STRAP O-ST132	38776	027075221543
SOFTWARE (CD-ROM) S-SW186		
AC PLUG AC-U1 EU		
EYECUP FR	30200	027075155725
HOTSHOE COVER FK	31040	027075047426
BODY MOUNT COVER	31016	027075006591

Optional Accessories

RECHRGEABLE LITHIUM-ION BATTERY D-LI109	39067	027075182189
AC ADAPTER KIT K-AC168*	38542	027075297074
FOCUSING SCREEN AF FRAME MATTE MF-60	38578	027075155732
FOCUSING SCREEN AF DIVIDED MATTE ML-60	38579	027075155749
FOCUSING SCREEN PLAIN MATTE ME-60	38581	027075155763
MAGNIFYING EYECUP O-ME53	30150	027075123113
REMOTE CONTROL WATERPROOF O-RC1	39892	027075183513
AF201FG DEDICATED AUTO FLASH	30458	027075288973
CS-310 CABLE SWITCH	30239	027075296824

Package Information

PENTAX KF Body-KIT: 205 x 161 x 125mm

PENTAX KF (BLACK) 18-55WR KIT: 205 x 192 x 125mm

PENTAX KF

MODEL DESCRIPTION

TYPE	TTL autofocus, auto-exposure SLR digital-still camera with built-in retractable P-TTL flash
LENS MOUNT	PENTAX KAF2 bayonet mount (AF coupler, lens information contacts, K-mount with power contacts)
COMPATIBLE LENSES	KAF4, KAF3, KAF2 (power zoom compatible), KAF, KA mount lens

IMAGE CAPTURE UNIT

IMAGE SENSOR	Primary color filter, CMOS. Size: 23.3 x 15.5 (mm)
EFFECTIVE/TOTAL PIXELS	Approx. 24.24 megapixels, approx. 24.78 megapixelss
SENSITIVITY	ISO AUTO/100 to 102400 (EV steps can be set to 1EV, 1/2EV or 1/3EV)
IMAGE STABILIZER	Sensor-shift Shake Reduction
AA FILTER SIMULATOR	Moiré reduction using SR unit. OFF/Type1/Type2/Bracket (3 frames)
DUST REMOVAL	SP coating and CMOS sensor operations

FILE FORMATS

FILE FORMAT	RAW (PEF/DNG), JPEG (Exif 2.3), DCF2.0 compliant
RECORDED PIXELS	JPEG: L(24M:6000x4000), M(14M:4608x3072), S(6M:3072x2048), XS(2M:1920x1280), RAW: (24M:6000x4000)
QUALITY LEVEL	RAW(14bit): PEF, DNG JPEG: ★★★ (Best), ★★ (Better), ★ (Good), RAW + JPEG simultaneous capturing available
COLOR SPACE	sRGB, AdobeRGB
STORAGE MEDIUM	SD, SDHC and SDXC Memory Card (Conforms to USH-I standards)
STORAGE FOLDER	Folder Name: Date (100_1018,101_1019...) or User assigned folder name (Default "PENTX")
RECORDING FILE	File Name: "IMGP****" or User assigned file name File name numbering: Sequential, Reset

LIVE VIEW

TYPE	TTL method using image sensor
FOCUSING MECHANISM	Contrast detection (Auto Area, Zone Select, Tracking, Select(L/M/S), Spot)
FUNCTIONS	Focus Peaking, Face detection, Touch AF
DISPLAY	Field of View approx. 100%, Magnified view (up to 16x), Grid Display (4x4 Grid, Golden Section, Scale, Square(L), Square(S), Grid Color: Black/Gray/White), Histogram, Bright area warning, Composition Adjustment

VIEWFINDER

TYPE	Approx. 100% Pentaprism Finder
MAGNIFICATION	Approx. 0.95x (FA50mmF1.4 at infinity)
EYE-RELIEF LENGTH	Approx. 20.5mm (from the view window), Approx. 22.3mm (from the center of lens)
DIOPTER ADJUSTMENT	Approx. −2.5m to + 1.5m
FOCUSING SCREEN	Interchangeable Natural-Bright-Matte III focusing screen

LCD MONITOR

TYPE	Vari-angle TFT color LCD monitor featuring an air-gapless structure, tempered-glass front panel
SIZE	3.0 inch (aspect ratio 3:2), Approx. 1037Kdots
ADJUSTMENT	Brightness, Saturation and Colors adjustable
OUTDOOR VIEW SETTING	Adjustable ±2 step
NIGHT VISION LCD DISPLAY	ON/OFF

WHITE BALANCE

TYPE	TTL method using image sensor
WHITE BALANCE	AUTO WB, Multi Auto WB, Daylight, Shade, Cloudy, Fluorescent Light (D:Daylight Color, N:Daylight White, W:Cool White, L:Warm White), Tungsten Light, CTE, Manual WB (up to 3 settings), Color Temperature Configuration (up to 3 settings), Copying the white balance setting of a captured image
FINE ADJUSTMENT	Adjustable ±7 steps on A-B axis or G-M axis

AUTOFOCUS SYSTEM

TYPE	TTL: Phase-matching autofocus
FOCUS SENSOR	SAFOX X, 11 points (9 cross type focus points in the center)
BRIGHTNESS RANGE	EV-3 to 18 (ISO 100 / at normal temperature)
AF MODE	Single AF (AF.S), Continuous AF (AF.C), Auto select AF (AF.A)
AF POINT SELECTION	Auto:11 points, Auto:5 points, Select, Expanded Area Select, Spot
AF ASSIST LIGHT	Dedicated LED AF assist light

METERING

TYPE	TTL open aperture, 77 segmented metering, center-weighted and spot metering
METERING RANGE	EV 0 to 22 (ISO100 at FA50mmF1.4)
EXPOSURE MODE	Auto Picture mode (Standard, Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue Sky, Forest), Scene Mode (Portrait, Landscape, Macro, Moving Object, 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), Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb
EV COMPENSATION	±5EV (1/2EV steps or 1/3EV steps can be selected)
AE LOCK	Can be assigned to the AF/AE-L button

SHUTTER

TYPE	Electronically controlled vertical-run focal plane shutter * Electronic shutter when using Pixel Shift Resolution
SHUTTER SPEED	Auto:1/6000 to 30 sec., Manual: 1/6000 to 30 sec. (1/3EV steps or 1/2EV steps), Bulb (Timed exposure setting possible from 10 sec. to 20min.)

DRIVE MODES

MODE SELECTION	[Still Image] Single Frame, Continuous (H, L), Self-timer (12s, 2s, Continuous), Remote Control (0s., 3s., Continuous), Bracketing (2, 3 or 5 frames), Mirror-up, Multi-Exposure, Interval Shooting, Interval Composite, Interval Movie Record, Star Stream [Movie] Remote Control
CONTINUOUS SHOOTING	Max. approx. 6.0 fps, JPEG (L: ★★★ at Continuous H): up to approx. 40 frames, RAW: up to approx. 10 frames, RAW+: up to approx. 8 frames Max. approx. 3.0 fps, JPEG L: ★★★ at Continuous L): up to approx. 100 frames, RAW: up to approx. 16 frames, RAW+: up to approx. 11 frames, *ISO100

FLASH

BUILT-IN FLASH	Built-in retractable P-TTL flash, GN: approx. 12 (ISO100/m), Angle of view of 28mm lens (35mm format equivalent
FLASH MODES	Auto Flash Discharge, Auto Flash + Red-eye Reduction (Auto Picture, Scene) Flash On, Flash On+ Red-eye Reduction, Slow-speed Sync, Trailing Cur-tain Sync, Manual Flash Discharge (Full-1/128)
SYNC SPEED	1/180sec.
EXPOSURE COMPENSATION	-2.0〜+1.0EV
EXTERNAL FLASH	P-TTL, Leading Curtain Sync, Trailing Curtain Sync, Contrast-control-sync, High-speed sync, Wireless sync, * Contrast-control-sync and High-speed sync requires two or more dedicated external flash

CAPTURE SETTINGS

CUSTOM IMAGE	Auto Select, Bright, Natural, Portrait, Landscape, MIYABI, SATOBI, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
CROSS PROCESS	Random, Preset 1-3, Favorite 1-3
DIGITAL FILTER	Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome
HDR	Auto, HDR1, HDR2, HDR3, Advanced HDR, OFF, Exposure bracket value adjustable, Automatic composition correction function
PIXEL SHIFT RESOLUTION	Motion Correction ON, Motion Correction OFF, OFF
LENS CORRECTION	Distortion Correction, Peripheral Illumin. Correction, Lateral Chromatic Aberration Correction, Diffraction Correction
D-RANGE CORRECTION	Highlight Correction, Shadow Correction
NOISE REDUCTION	Slow Shutter Speed NR, High-ISO Noise Reduction
HORIZON CORRECTION	SR On: correction up to 1 degrees, SR Off: correction up to 1.5 degrees
COMPOSITION ADJUSTMENT	Adjustment range of ±1.5mm up, down, left or right (1mm when rotated); Rotating range of 1 degree
ELECTRONIC LEVEL	Displayed in viewfinder : Horizontal direction only, Displayed on LCD monitor: Horizontal and vertical direction

MOVIE

FILE FORMAT	MPEG-4 AVC/H.264(MOV)
RECORDED PIXELS	Full HD(1920x1080, 60i/50i/30p/25p/24p) , HD (1280x720, 60p/50p)
SOUND	Built-in stereo microphone, external microphone (Stereo recording compatible) Recording Sound Level adjustable
RECORDING TIME	Up to 25 minutes or 4GB ; automatically stops recording if the internal temperature of the camera becomes
CUSTOM IMAGES	Auto Select, Bright, Natural, Portrait, Landscape, MIYABI, SATOBI, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Pro-cessing
CROSS PROCESSING	Random, Preset 1-3, Favorite 1-3.
DIGITAL FILTER	Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome

PLAYBACK

PLAYBACK VIEW	Single frame, Multi-image display (6,12, 20, 35, 80 segmentation), Display magnification (up to 16x, Quick Zoom view available), Grid display (4x4 Grid, Golden Section, Scale display, Square 1, Square 2, Grid Color: Black/White), Rotating, Histogram (Y histogram, RGB histogram), Bright area warning, Auto Image Rotation, Detailed information, Copyright Information (Photographer, Copyright holder), GPS information (latitude, longitude, altitude, Coordinated Universal Time) , Orientation, Folder Display, Calendar Filmstrip Display, Slide Show
DIGITAL FILTER	Base Parameter Adj, Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome, Tone Expansion, Sketch, Water Color, Pastel, Posterization, Miniature, Soft, Starburst, Fish-eye, Slim, Monochrome
RAW DEVELOPMENT	RAW Development Parameter: White Balance, Custom Image, Sensitivity, Clarity, Skin Tone, Digital filter, HDR, Pixel Shift Resolution, Shadow Correction, High-ISO NR, Distortion Correction, Peripheral Illumin. Corr., Lateral Chromatic Aberration Correction, Diffraction Correction, Color Fringe Correction, File Format (JPEG/TIFF), Aspect Ratio, JPEG Recorded Pixels, JPEG Quality, Color Space

CUSTOMIZATION

SETTINGS	USER Mode: Up to 3; Custom Functions: 24 items; Mode Memory:16 items; Button Customization: Fx1 Button, Fx2 Button (One Push File Format, Wi-Fi, Outdoor View Setting, Night Vision LCD Display, Preview, Electronic Level, Change AF Area) AF/AE-L button (AF1, AF2, Cancel AF, AE Lock); Various settings for the action of the e-dials in each exposure mode can also be saved; AF Customization; Text size; World Time; AF Fine Adjustment: ±10 step, Uniform adjustment, Individual adjustment; Indicator Lamps; Copyright Information;
LANGUAGE	English, French, Germany, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional Chinese, Simplified Chinese, Japanese

POWER SUPPLY

BATTERY TYPE	Rechargeable Lithium-ion Battery D-LI109
AC ADAPTER	AC Adapter Kit K-AC168 (Optional)
BATTERY LIFE	Number of recordable images: (with 50% flash usage): approx. 400 images, (without flash usage): approx.: 460 images, Playback time: Approx. 250 minutes * With a fully-charged Rechargeable Lithium-ion Battery under the temperature at 23°C. Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition.

INTERFACES

CONNECTION PORT	USB2.0 (micro B), HDMI output terminal (Type D) , Stereo microphone input / Cable switch input (ø3.5mm connector)
USB CONNECTION	MSC/PTP
WIRELESS LAN	IEEE 802.11b/g/n (Standard wireless LAN protocol), 2412MHz to 2462MHz (channels: Ch.1 to Ch.11)
SECURITY	Authentication: WPA2, Encryption: AES

OPERATING ENVIRONMENT

TEMPERATURE	-10°C〜40°C (14°F〜104°F)
HUMIDITY	85% or less (no condensation)

DIMENSIONS & WEIGHT

DIMENSIONS	Approx. 125.5mm (W) x93.0mm (H) x 74.0mm (D) (excluding protrusions)
WEIGHT	Approx. 684g (Including dedicated battery and SD Memory Card), Approx. 625g (body only)