RICOH
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PENTAX K-3 II

NO LIMITS

SR

WEATHER RESISTANT BODY | SHAKE REDUCTION | 24 MEGA PIXELS | DUST REMOVAL II | ISO 51 200 | VIEWFINDER 100% | LCD 3.2" | FULL HD VIDEO

Description	Art. Code	EAN
K-3II BLACK BODY KIT	16159	0027075293977
K-3II BLACK DA18-55WR KIT	16204	0027075294196
K-3II BLACK DA 18-135 WR KIT	16187	0027075294080
K-3II BLACK DA 16-85 KIT	16215	0027075294301

ADVANTAGES

The best photo camera for shooting expedition
√ Weather resistant body with 92 protection seals
√ Stainless steel chassis and magnesium alloy body
√ Built-in GPS to keep the trails of photos on Google Earth
√ Electronic Compass to display the camera's direction on the camera's LCD monitor
√ Astrotracer to simplify the tracing and photographing of celestial

Image and video quality
√ 24 MP CMOS sensor with AA filter-less
√ Advanced anti moire function
√ New-generation PENTAX-original shake reduction mechanism to assure more effective camera-shake compensation, with an extra-wide compensation range of as much as 4.5 shutter steps.
√ New Pixel Shift Resolution System to deliver super-high-resolution images with far more truthful color reproduction and much finer details, while significantly lowering the level of high-sensitivity noise.
√ New 86 000 pixels RGB exposure meter
√ Sensitivity up to 51 200 ISO
√ Full HD recording with 60/30 fps frame rate, H.264 codec with dedicated button

Fast and accurate
√ New AF module SAFOX 11 with 27 AF points (25 cross points)
√ Upgraded Tracking accuracy at AF.C
√ Continuous shooting 8.3 fps up to 60 JPEG and 23 RAW
√ New Imaging Engine Prime III for ultraspeed datas transfer

Ease to use
√ 100%, 0,95X Pentaprism View Finder
√ 3,2" 1037K LCD monitor with anti reflection and anti scratch coating
√ Dual SD card slot

Mobility and connectivity
√ Wifi remote control via Smartphones, tablet and computer with dedicated Pentax Flu Card (in option)
√ USB 3.0 and HDMI connection
√ X-Synchro flash terminal
√ Stereophone terminal

SUPPLIED ACCESSORIES

Rechargeable Lithium-ion Battery D-LI90
Battery Charger D-BC90
AC plug cord
Strap O-ST132
ME Viewfinder Cap
Software (CD-ROM) S-SW140
Eyecup FS
Hot shoe cover FK
Body mount cover
Battery Grip terminal cover
Sync sock 2p cap

OPTIONAL ACCESSORIES

Flucard for Pentax 16GB O-FC1 - 38610
Lithium-Ion battery D-LI90 - 39830
Battery Charger kit K-BC90E - 39834
AC Adapter K-AC132E - 38779
Weather resistant grip D-BG5 - 39799
SLR case - 50099
SLR backpack - 50278
Weatherproof remote control O-RC1 - 39892
Cable switch CS-205 - 37248
Ring flash AF 160FC - 30477
Flash AF 200FG - 30465
Flash AF 360FGZ II - 30438
Flash AF 540FGZ II - 30456
O-ICK1 sensor cleaning kit - 39357

Weight : 700g (body only)

131.5 mm

77.5 mm

102.5 mm

K-3 II

TECHNICAL SPECIFICATIONS

MODEL DESCRIPTION

Type	TTL autofocus, auto-exposure SLR digital-still camera
Lens Mount	PENTAX KAF2 bayonet mount (AF coupler, lens information contacts, K-mount with power contacts)
Compatible Lens	KAF3, KAF2 (power zoom compatible), KAF, KA mount lens

IMAGE CAPTURE UNIT

Image Sensor	Primary color filter, CMOS. Size: 23.5 x 15.6 (mm)
Effective Pixels	Approx. 24.35 megapixels
Total Pixels	Approx. 24.71 megapixels
Dust Removal	Image sensor cleaning using ultrasonic vibrations "DR II" with the Dust Alert function
Sensitivity (Standard output)	ISO AUTO/100 to 51200 (EV steps can be set to 1EV, 1/2EV or 1/3EV)
Image Stabilizer	Sensor-shift shake reduction (SR: Shake Reduction)
AA Filter Simulator	Moiré reduction using SR unit. OFF/Type1/Type2/Bracket

FILE FORMATS

File format	RAW (PEF/DNG), JPEG (Exif 2.30), DCF2.0 compliant
Recorded Pixels	JPEG: L(24M:6016x4000), M(14M:4608x3072), S(6M:3072x2048), XS(2M:1920x1280), RAW: (24M:6016x4000)
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-1 standards), Eye-Fi card, FLU card.
Dual SD slot	Sequential Use, Save to Both, Save RAW/JPG, Image copy between slots possible
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

VIEWFINDER

Type	Pentaprism Finder
Coverage (FOV)	Approx. 100%
Magnification	Approx. 0.95x (50mmF1.4 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-1
Focusing Screen	Interchangeable Natural-Bright-Matte III focusing screen

LCD MONITOR

Type	Wide viewing angle TFT color LCD with AR coating, Air-gapless glass.
Size	3.2 inch (aspect ratio 3:2)
Dots	Approx. 1037K dots
Adjustment	Brightness, Saturation and Colors adjustable

WHITE BALANCE

Type	Method using a combination of the CMOS image sensor and the light source detection 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, Flash, 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 XI, 27 point (25 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	Spot, Select, Expanded Area (S, M, L), Zone select, Auto (27 AF points)
AF Assist Light	Dedicated LED AF assist light

METERING

Type	TTL open aperture metering using 86K pixel RGB sensor, Multi-segment, Center-weighted and Spot metering
Metering Range	EV-3 to 20 (ISO100 at 50mm F1.4)
Exposure Mode	Green mode, Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb, Flash X-sync Speed, USER1, USER2, USER3
EV Compensation	±5EV (1/2EV steps or 1/3EV steps can be selected)
AE Lock	"Button type (timer type: two times the meter operating time set in Custom Setting); Continuous as long as the shutter button is halfway pressed"

SHUTTER

Type	Electronically controlled vertical-run focal plane shutter * Electronic shutter when using Pixel Shift Resolution
Shutter Speed	Auto: 1/8000 to 30 sec., Manual: 1/8000 to 30 sec. (1/3EV steps or 1/2EV steps), Bulb

DIMENSIONS AND WEIGHT

Dimensions	Approx. 131.5mm (W) x102.5mm (H) x 77.5mm (D) (excluding protrusions)
Weight	Approx. 785g (Including dedicated battery and 1x SD Memory Card), Approx. 700g (body only)

FLASH

Flash modes	Auto Flash Discharge, Auto Flash + Red-eye Reduction, Flash On, Flash On + Red-eye Reduction, Slow-speed Sync, Slow-speed Sync + Red-eye, P-TTL, Trailing Curtain Sync, Contrast-control-sync, High-speed sync, Wireless sync (available with dedicated external flash)
Sync speed	1/180sec.
Flash exposure compensation	-2.0 to +1.0EV

GPS/ELECTRONIC COMPASS

Satellites	GPS, QZSS, SBAS(WAAS/EGNOS/GAGAN/MSAS)
Reception Frequency	L1 1575.42MHz
Recorded Information	Latitude, Longitude, Altitude, Time (UTC), Direction
Geodesics	World Geodetic System (WGS84)
GPS Logging	KML format, Logging Interval: 5/10/15/30sec. /1min., Logging Duration: 1-24hr. (Up to 9hours at Logging Interval 5sec. Up to 18hrs. at Logging Interval 10sec.)
Electronic Compass	Azimuth calculation using triaxial geomagnetic sensor and triaxial acceleration sensor, True north standard

DRIVE MODES

Mode Selection	Still Image: Single frame, Continuous (H, M, L), Self-timer (12s, 2s), Remote Control (immediately, 3 sec., continuous), Exposure Bracketing (2, 3 or 5 frames/ Possible to use with Self-timer or Remote Control), Mirror-up (Possible to use with Remote Control), Interval shooting, Interval Composite Movie: Remote Control, Interval Movie Record
Continuous Shooting	Max. approx. 8.3 fps, JPEG (L: ★★★ at Continuous H): up to approx. 60 frames, RAW: up to approx. 23 frames Max. approx. 4.5 fps, JPEG L: ★★★ at Continuous M): up to approx. 100 frames, RAW: up to approx. 32 frames Max. approx. 3.0 fps, JPEG (L: ★★★ at Continuous Lo): up to approx. 200 frames, RAW: up to approx. 52 frames *ISO100
Multi-Exposure	Composite Mode(Additive/Average/Bright) / Number of Shots(2 to 2000 images)
Interval Shooting	Still Image : Interval 2s. to 24h. / Number of shots:2~2000images / Start Interval: Now/Set Time Movie : Recorded size:4K/FullHD / Interval:2s. to 1h. Recording time:14s.to 99h. / Start Interval: Now/Set Time

CAPTURE SETTINGS

Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
Cross Process	Random, Preset 1-3, Favorite 1-3
Digital Filter	Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome
HDR	Auto, HDR1, HDR2, HDR3, Exposure Bracket Value adjustable, Automatic composition correction function
Pixel Shift Resolution	ON/OFF
Lens Correction	Distortion Correction, Peripheral Illumin. Correction, Lateral Chromatic Aberration Correction, Diffraction Correction
D-RANGE Compensation	Highlight Correction, Shadow Correction
Noise Reduction	Slow Shutter Speed NR, High-ISO NR
GPS	GPS Logging (Logging Interval, Logging Duration, Memory Card Options), ASTROTRACER, Calibration, Additional Settings (GPS Time Sync, GPS Indicator Lamp)
Horizon Correction	SR On: correction up to 1 degrees, SR Off: correction up to 2 degrees
Composition Adjustment	Adjustment range of ±1.5mm up, down, left or light (1mm when rotated); Rotating range of 1 degree
Electronic Level	Displayed in viewfinder and LCD panel (Horizontal direction only); Displayed on LCD monitor (Horizontal direction and vertical direction)

MOVIE

File Format	MPEG-4 AVC/H.264 (MOV) *Motion JPEG(AVI) for Interval Movie Record
Recorded Pixels	Full HD(1920x1080, 60i/50i/30p/25p/24p) / HD (1280x720, 60p/50p/30p/25p/24p)
Sound	Built-in monaural microphone, external microphone (Stereo recording compatible) Recording Sound Level adjustable
Recording Time	Up to 25 minutes; automatically stops recording if the internal temperature of the camera becomes high.
Custom Images	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
Cross Processing	Random, Preset 1-3, Favorite 1-3.
Digital Filter	Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome
HDR *available only for Interval Movie	Auto, HDR1, HDR2, HDR3, Exposure Bracket Value adjustable

PLAYBACK

Playback View	Single frame, multi-image display (6,12, 20, 35, 80 segmentation), display magnification (up to 16, 100% display and quick magnification available), rotating, histogram (Y histogram, RGB histogram), bright area warning, Auto Image Rotation, detailed inf, Copyright Information (Photographer, Copyright holder), Folder Display, Calendar Filmstrip Display, Slide Show, GPS information (latitude, longitude, altitude, Coordinated Universal Time, Orientation)
Delete	Delete single image, delete all, select & delete, delete folder, delete instant review image
Digital Filter	Base Parameter Adj, Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome, Tone Expansion, Sketch, Water Color, Pastel, Pasteurization, Miniature, Soft, Starburst, Fish-eye, Slim
RAW Development	RAW file select : Select Single Image, Select Multiple Images, Select a folder RAW Development Parameter: File Format (JPEG/TIFF), Aspect Ratio, JPEG Recorded Pixels, JPEG Quality, Color Space, Distortion Correction, Peripheral Illumin. Corr., Lateral Chromatic Aberration Correction, Diffraction Correction, Color Fringe Correction, White Balance, Custom Image, Digital filter, HDR, Pixel Shift Resolution, Sensitivity, High-ISO NR, Shadow Correction"
Edit	Image Rotation, Color Moiré Correction, Resize, Cropping (Aspect ratio and Slant adjustment available), Index, Movie Edit (Divide or delete selected frames), Capturing a JPEG still picture from a movie, Saving RAW data in buffer memory, Image Copy, Eye-Fi Image Transfer

CUSTOMIZATION

USER Mode	Up to 3 settings can be saved
Custom Functions	26 items
Mode Memory	12 items
Button Customization	RAW/ran Button (One Push File Format, Exposure Bracketing, Optical Preview, Digital Preview, Shake Reduction, LCD Panel Illumination, AF button (AF1, AF2, Cancel AF)
Text Size	Standard, Large
World Time	World Time settings for 75 cities (28 time zones)
AF fine Adjustment	±10 step, Uniform adjustment, Individual adjustment (up to 20 can be saved)
Copyright Information	"Names of ""Photographer"" and ""Copyright Holder"" are embedded to the image file. Revision history can be checked using the provided software."
AF fine Adjustment	±10 step, Uniform adjustment, Individual adjustment (up to 20 can be saved)
Copyright Information	Names of "Photographer" and "Copyright Holder" are embedded to the image file. Revision history can be checked using the provided software.

POWER SUPPLY

Battery Type	Rechargeable Lithium-ion Battery D-LI90
AC Adapter	AC Adapter Kit K-AC132 (Optional)
Battery Life	Number of recordable images: Approx.: 720 images / Playback time: Approx. 370 minutes * With a fully-recharged Rechargeable Lithium-ion Battery. Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition.

INTERFACES

Connection Port	USB3.0 (micro B), external power supply terminal, external release controller terminal, X-synch socket, HDMI output terminal (Type D) , stereo microphone input terminal, Headphone terminal
USB Connection	MSC/PTP

ACCESSORIES

Included	Strap O-ST132, ME Viewfinder Cap, Rechargeable Lithium-ion Battery D-LI90, Battery Charger D-BC90, AC plug cord, Software (CD-ROM) S-SW160 <Mounted to the camera> Eyecup Fs, Hot shoe cover FK, Body mount cover, Battery Grip terminal cover, Sync socket 2p cap
Software	Digital Camera Utility 5
FLU Card	FLUCARD FOR PENTAX 16GB O-FC1:□Remote Release, Image Browsing