



# PENTAX *K-3 II*

NO LIMITS



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)



## MODEL DESCRIPTION

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

## IMAGE CAPTURE UNIT

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

## FILE FORMATS

<b>File format</b>	RAW (PEF/DNG), JPEG (Exif 2.30), DCF2.0 compliant
<b>Recorded Pixels</b>	JPEG: L(24M:6016x4000), M(14M:4608x3072), S(6M:3072x2048), XS(2M:1920x1280), RAW: (24M:6016x4000)
<b>Quality Level</b>	RAW (14bit): PEF, DNG JPEG: ★★★ (Best), ★★ (Better), ★ (Good), RAW + JPEG simultaneous capturing available
<b>Color Space</b>	sRGB, AdobeRGB
<b>Storage Medium</b>	SD, SDHC and SDXC Memory Card (Conforms to USH-1 standards), Eye-Fi card, FLU card.
<b>Dual SD slot</b>	Sequential Use, Save to Both, Separate RAW/JPG, Image copy between slots possible
<b>Storage Folder</b>	Folder name: Date (100_1018_101_1019...) or User assigned folder name (Default "PENTX")
<b>Recording File</b>	File name: "IMG*****" or User assigned file name File name numbering: Sequential, Reset

## VIEWFINDER

<b>Type</b>	Pentaprism Finder
<b>Coverage (FOV)</b>	Approx. 100%
<b>Magnification</b>	Approx. 0.95x (50mmF1.4 at infinity)
<b>Eye-Relief Length</b>	Approx. 20.5mm (from the view window), Approx. 22.3mm (from the center of lens)
<b>Diopter adjustment</b>	Approx. -2.5m to + 1.5m-1
<b>Focusing Screen</b>	Interchangeable Natural-Bright-Matte III focusing screen

## LCD MONITOR

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

## WHITE BALANCE

<b>Type</b>	Method using a combination of the CMOS image sensor and the light source detection sensor
<b>White Balance</b>	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
<b>Fine Adjustment</b>	Adjustable ±7 steps on A-B axis or G-M axis

## AUTOFOCUS SYSTEM

<b>Type</b>	TTL: phase-matching autofocus
<b>Focus Sensor</b>	SAFOX XI, 27 point (25 cross type focus points in the center)
<b>Brightness Range</b>	EV-3 to 18 (ISO 100 / at normal temperature)
<b>AF mode</b>	Single AF (AF.S), Continuous AF (AF.C), Auto select AF (AF.A)
<b>AF Point Selection</b>	Spot, Select, Expanded Area (S, M, L), Zone select, Auto (27 AF points)
<b>AF Assist Light</b>	Dedicated LED AF assist light

## METERING

<b>Type</b>	TTL open aperture metering using 88K pixel RGB sensor, Multi-segment, Center-weighted and Spot metering
<b>Metering Range</b>	EV-3 to 20 (ISO100 at 50mm F1.4)
<b>Exposure Mode</b>	Green mode, Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb, Flash X-sync Speed, USER1, USER2, USER3
<b>EV Compensation</b>	±5EV (1/2EV steps or 1/3EV steps can be selected)
<b>AE Lock</b>	*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

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

## DIMENSIONS AND WEIGHT

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

## FLASH

<b>Flash modes</b>	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)
<b>Sync speed</b>	1/180sec.
<b>Flash exposure compensation</b>	-2.0 to +1.0EV

## GPS/ELECTRONIC COMPASS

<b>Satellites</b>	GPS, QZSS, SBAS(WAAS/EGNOS/GAGAN/MSAS)
<b>Reception Frequency</b>	L1 1575.42MHz
<b>Recorded Information</b>	Latitude, Longitude, Altitude, Time (UTC), Direction
<b>Geodesics</b>	World Geodetic System (WGS84)
<b>GPS Logging</b>	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.)
<b>Electronic Compass</b>	Azimuth calculation using triaxial geomagnetic sensor and triaxial acceleration sensor, True north standard

## DRIVE MODES

<b>Mode Selection</b>	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
<b>Continuous Shooting</b>	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
<b>Multi-Exposure Interval Shooting</b>	Composite Mode(Additive/Average/Bright) / Number of Shots(2 to 2000 images) Still Image : Interval 2s. to 24h. / Number of shots:2~2000images / Start Interval: Now/Set Time Movie : Recorded size:4K/FullHD/HD / Interval:2s. to 1h. Recording time:14s.to 99h. / Start Interval: Now/Set Time

## CAPTURE SETTINGS

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

## MOVIE

<b>File Format</b>	MPEG-4 AVC/H.264 (MOV) *Motion JPEG(AVI) for Interval Movie Record
<b>Recorded Pixels</b>	Full HD(1920x1080, 60i/50i/30p/25p/24p) / HD (1280x720, 60p/50p/30p/25p/24p)
<b>Sound</b>	Built-in monaural microphone, external microphone (Stereo recording compatible) Recording Sound Level adjustable.
<b>Recording Time</b>	Up to 25 minutes; automatically stops recording if the internal temperature of the camera becomes high.

<b>Custom Images</b>	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
<b>Cross Processing</b>	Random, Preset 1-3, Favorite 1-3.
<b>Digital Filter</b>	Extract Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome
<b>HDR *available only for Interval Movie</b>	Auto, HDR1, HDR2, HDR3, Exposure Bracket Value adjustable

## PLAYBACK

<b>Playback View</b>	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)
<b>Delete</b>	Delete single image, delete all, select & delete, delete folder, delete instant review image
<b>Digital Filter</b>	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
<b>RAW Development</b>	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*
<b>Edit</b>	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

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

## POWER SUPPLY

<b>Battery Type</b>	Rechargeable Lithium-ion Battery D-Li90
<b>AC Adapter</b>	AC Adapter Kit K-AC132 (Optional)
<b>Battery Life</b>	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

<b>Connection Port</b>	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
<b>USB Connection</b>	MSC/PTP

## ACCESSORIES

<b>Included</b>	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
<b>Software</b>	Digital Camera Utility 5
<b>FLU Card</b>	FLUCARD FOR PENTAX 16GB O-FC1: Remote Release, Image Browsing