



## ADVANTAGES

### Perfect Pictures

- ✓ 24MP APS-C CMOS sensor for high resolution images
- ✓ Incredible range of sensitivity from ISO 100-819200 allowing capture of images in low light settings with minimal noise
- ✓ Built in Shake Reduction with 5 axis image stabilisation
- ✓ Pixelshift resolution for finer detail and capture of full colour information

### Perfectly Equipped

- ✓ Pentaprism viewfinder with 100% coverage for clear and accurate views
- ✓ 3" Tilttable TFT colour LCD monitor featuring an air-gapless screen and a tempered glass front panel
- ✓ SAFOX 11 with 27 point focus points (25 cross types in the centre)
- ✓ Built-in pop up P-TTL flash
- ✓ AE and AF memory button (individual setting)
- ✓ Electronic shutter up to 1/24000
- ✓ Bracketing for Depth of field, Motion and Metering
- ✓ Multi Exposure (Composite Modes: Additive, Average and Bright)
- ✓ Interval Shooting for Images and Video
- ✓ Continuous Shooting up to 7.0 frames per second (approx.)
- ✓ Function Dial with 6 functions (3 individual Custom functions, 3 options), 3 Function buttons and 5 User presets
- ✓ Custom Image Function for unique picture enhancement
- ✓ Filter effects for application during or after shooting
- ✓ In camera RAW Development
- ✓ 'Scene Analyze' for perfect exposure and picture results

### Functionality

- ✓ Compatible with all PENTAX Lenses (A and M-Series with limitation)
- ✓ 67 Seals - Dust and Water protected, and cold resistant down to -10°
- ✓ Dust Removal II: Sensor Cleaning System
- ✓ Built in Wireless for remote control of a variety of camera functions

# PENTAX *KP*

## LOW LIGHT PHOTOGRAPHY IN A NEW DIMENSION

Description	Art. Code	EAN
K-P Black BODY KIT	16017	0027075298798
K-P Silver BODY KIT	16037	0027075298934

## SUPPLIED ACCESSORIES

Rechargeable Lithium-ion Battery D-LI109  
 Battery Charger D-BC109  
 AC plug cord D-CO2E  
 Strap O-ST162  
 Eyecup FR  
 Hot shoe cover FK  
 Viewfinder Cap FR  
 Body mount cover KII  
 Grip S O-GP 167  
 Grip M O-GP 1671  
 Grip L O-GP 1672  
 Software (CD-ROM) S-SW167

## OPTIONAL ACCESSORIES

Lithium-Ion battery D-LI109 - 39067  
 Battery Charger kit K-BC109E - 39032  
 AC Adapter K-AC 168E - 38542  
 Battery Grip D-BG7 - 38598  
 GPS-Receiver O-GPS1 - 39012  
 PENTAX Magnifying Eyecup 1,2x O-ME53 - 30150  
 Focussing Screen Standard, MF-60 - 38578  
 Focussing Screen Divided, ML-60 - 38579  
 Focussing Screen with Coordinate, MI-60 - 38580  
 Focussing Screen without any marks, ME-60 - 38581  
 Cable switch CS-310 - 30239  
 PENTAX Flash AF 201 FG - 30458  
 PENTAX Flash AF 360 FGZ II - 30438  
 PENTAX Flash AF 540 FGZ II - 30456  
 Strap O-ST1401, black - 38613  
 Strap O-ST1401, red - 38614

**Weight:** 643g (body only)



## MODEL DESCRIPTION

<b>Type</b>	TTL autofocus, auto-exposure SLR digital-still camera
<b>Lens Mount</b>	PENTAX $K_{AF2}$ bayonet mount (AF coupler, lens information contacts, K-mount with power contacts)
<b>Compatible lens</b>	$K_{AF4}$ , $K_{AF3}$ , $K_{AF2}$ (power zoom compatible), $K_{AF}$ , $K_{\alpha}$ lens

## IMAGE CAPTURE UNIT

<b>Image sensor</b>	Size: 23.5 x 15.6mm, CMOS-Sensor, Primary color filter
<b>Total / Effective pixels</b>	Approx. 24.71 M / 24.35 M
<b>Sensitivity</b>	ISO AUTO/ 100 to ISO 819200 (EV steps can be set to 1EV, 1/2EV or 1/3EV)
<b>Dust removal</b>	Image sensor cleaning using ultrasonic vibrations «DR II» with the Dust Alert function
<b>Image stabilizer</b>	5-axis Sensor-shift shake reduction (SR: Shake Reduction)
<b>AA-FilterSimulator</b>	Moiré reduction using SR unit. OFF/Type1/Type2/Bracket (2 or 3 images)

## FILE FORMATS

<b>Pixel Shift Resolution</b>	ON/OFF *Motion Correction ON/OFF
<b>File format</b>	RAW (PEF/DNG), JPEG (Exif 2.30), DCF2.0 compliant
<b>Recorded pixels</b>	JPEG: L (24 MP: 6.016 x 4.000), M (14 MP: 4.608 x 3.072), S (6 MP: 3.072 x 2.048), XS (2 MP: 1.920 x 1.280) RAW: (24 MP: 6.016 x 4.000)
<b>Quality level</b>	RAW (14 Bit): 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-I standards)
<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

## VIEW FINDER

<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 <sup>-1</sup>
<b>Focusing Screen</b>	interchangeable Natural-Bright-Matte III focusing screen

## LCD MONITOR

<b>Type</b>	Tiltable TFT color LCD monitor featuring an air-gapless structure, tempered-glass front panel
<b>Size</b>	3.0 inch (aspect ratio 3:2)
<b>Dots</b>	Approx. 921,000 Dots
<b>Adjustment</b>	Brightness, Saturation and Colors adjustable
<b>Outdoor View Setting</b>	Adjustable ±2 step
<b>Display</b>	Field of View approx. 100%, Magnified view (up to 16x), Grid Display (4x4 Grid, Golden Section, Scale display, Square 1, Square 2, Grid Color: Black/White), Histogram, Highlight Alert, Composition Adjustment
<b>Autofocus</b>	AF Method: Contrast detection AF Mode: Single AF (A.F.S.), Continuous AF (A.F.C.) *Continuous AF (A.F.C) is available with the dedicated lens. AF Active Area: Face detection, Tracking, Multiple AF points, Select, Spot Focus Peaking: Highlight Edge/Extract Edge/OFF
<b>Night Vision LCD Display</b>	ON/OFF

## WHITE BALANCE

<b>Type</b>	TTL method using image 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, 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 11, 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 (A.F.S.), Continuous AF (A.F.C.), Auto select AF (A.F.A)
<b>AF Point Selection</b>	Auto (27 AF points), Zone select, Select, Expanded Area (S, M, L), Spot
<b>AF Assist Light</b>	Dedicated LED AF assist light

## METERING

<b>Type</b>	TTL open aperture metering using 86K 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>	Scene Analyze Auto, Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb, USER1, USER2, USER3, USER4, USER5
<b>EV Compensation</b>	±5EV (1/2EV steps or 1/3EV steps can be selected)
<b>AE Lock</b>	Can be assigned to the AF/AE-L button, Fx1 button, Fx2 button, Fx3 button

## SHUTTER

<b>Type</b>	Electronically controlled vertical-run focal plane shutter / Electronic shutter
<b>Shutter Speed</b>	Mechanical shutter: 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 20 min.) Electronic shutter: Auto: 1/24000 to 30 sec., Manual: 1/24000 to 30 sec. (1/3EV steps or 1/2EV steps)

## FLASH

<b>Built-in Flash</b>	Built-in retractable P-TTL flash, GN: approx. 6.0 (ISO100m), Angle of view of 28mm lens (35mm format equivalent)
<b>Flash Modes</b>	Auto Flash Discharge (Scene Analyze Auto), Auto Flash + Red-eye Reduction (Scene Analyze Auto) Flash On, Flash On+ Red-eye Reduction, Slow-speed Sync, Trailing Curtain Sync, Manual Flash Discharge (Full-1/128), Wireless (Controller)
<b>Sync Speed</b>	1/180 sec.
<b>Flash Exposure Compensation</b>	-2.0~+1.0EV
<b>External Flash</b>	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

## DRIVE MODES

<b>Mode Selection</b>	[Still Image] Single Frame, Continuous (H, M, L), Self-timer (12s, 2s, Continuous), Bracketing (2, 3 or 5 frames), Depth of Field Bracketing (3frames), Motion Bracketing (3frames), Mirror-up, Multi-Exposure, Interval Shooting, Interval Composite, Interval Movie Record, Star Stream [Movie] Remote Control  * Bracketing, Interval Shooting, Interval Composite, Interval Movie Record and Star Stream are possible to use with Self-timer * Depth of Field Bracketing is available in Av mode. Depth of Field Bracketing is possible to use with Self-timer * Motion Bracketing is available in Tv mode. Motion Bracketing is possible to use with Self-timer * Multi-Exposure is possible to use with Continuous Shooting or Self-timer
<b>Continuous Shooting</b>	Max. approx. 7.0 fps, JPEG (L: ★★★ at Continuous H); up to approx. 28 frames, RAW: up to approx. 8 frames, RAW+: up to approx. 7 frames Max. approx. 3.0 fps, JPEG (L: ★★★ at Continuous M); up to approx. 70 frames, RAW: up to approx. 15 frames, RAW+: up to approx. 10 frames Max. approx. 0.8 fps, JPEG (L: ★★★ at Continuous L); up to approx. 100 frames, RAW: up to approx. 100 frames, RAW+: up to approx. 25 frames *ISO100 *Continuous shooting speed slows down with Electronic shutter or High sensitivity
<b>Multi-Exposure</b>	Composite Mode (Additive/Average/Bright) Number of Shots (2 to 2000 times)
<b>Interval Shooting</b>	[Interval Shooting] Interval: 2s. to 24h./ Standby Interval: Min. 1s. to 24h., Number of shots: 2 to 2000 times, Start Interval: Now/Self-timer/Set Time  [Interval Composite] Interval: 2s. to 24h./ Standby Interval: Min. 1s. to 24h., Number of shots: 2 to 2000 times, Start Interval: Now/Self-timer/Set Time, Composite Mode: Additive/Average/Bright, Save Process: ON/OFF  [Interval Movie] Recorded Pixels: 4K/FullHD/HD, File Format: Motion JPEG (AVI), Interval:2s. to 24h./ Standby Interval: Min 1s. to 24h., Number of shots: 8 to 2000 times (8 to 500 times at 4K), Start Interval:Now/Self-timer/Set Time  [Star Stream] Recorded Pixels: 4K/FullHD/HD, File Format: Motion JPEG (AVI), Interval:2s. to 24h./ Standby Interval: Min. 1s. to 24h., Number of shots: 8 to 2000 times (8 to 500 times at 4K), Start Interval: Now/Self-timer/Set Time, Fade-out: OFF/Low/Medium/High

## CAPTURE SETTINGS

<b>Custom Image</b>	Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
<b>Noise Reduction</b>	Slow Shutter Speed NR, High-ISO NR
<b>Digital Filter</b>	Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome
<b>Clarity</b>	Adjustable ±4 step
<b>HDR</b>	Auto, HDR1, HDR2, HDR3, Advanced HDR, OFF, Exposure bracket value adjustable, Automatic composition correction function
<b>Lens Correction</b>	Distortion Correction, Peripheral Illumin. Correction, Lateral Chromatic Aberration Correction, Diffraction Correction
<b>Dynamic Range Compensation</b>	Highlight Correction, Shadow Correction
<b>Skin Tone</b>	Type1, Type2, OFF
<b>Horizon Correction</b>	SR ON: Correction up to 1.0 degrees, SR OFF: Correction up to 1.5 degrees
<b>Electronic Level</b>	Displayed in viewfinder: Horizontal direction only, Displayed on LCD monitor: Horizontal and vertical direction

## MOVIE

<b>File Format</b>	MPEG-4 AVC/H.264 (MOV)
<b>Recorded Pixels</b>	Full-HD (1.920 x 1.080, 60i/50i/30p/25p/24p), HD (1.280 x 720, 60p/50p)
<b>Sound</b>	Built-in stereo microphone, external microphone (Stereo recording compatible) Recording Sound Level adjustable
<b>Recording Time</b>	Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high.
<b>Custom Images</b>	Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
<b>Cross Processing</b>	Random, Preset 1-3, Favorite 1-3.
<b>Digital Filter</b>	Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome

## PLAYBACK

<b>Playback View</b>	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,
<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, 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
<b>RAW Development</b>	RAW file select: Select Single Image, Select Multiple Images, Select a folder 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
<b>Edit</b>	Image Rotation, Color Moiré Correction, Resize, Cropping (Aspect ratio and Slant adjustment available), Movie Edit (Divide or delete selected frames), Capturing a JPEG still picture from a movie, Saving RAW data in buffer memory, Image Copy

## CUSTOMIZATION

<b>USER-Mode</b>	Up to 5 settings can be saved
<b>Custom Functions</b>	24 items
<b>Mode Memory</b>	18 items
<b>Button Customization</b>	Fx1 Button (EV Compensation, ISO Sensitivity, Preview, AE Lock, Change AF Area, One Push File Format, Electronic Level, Wi-Fi, Night Vision LCD Display, Operation Control Lock) Fx2 Button (EV Compensation, ISO Sensitivity, Preview, AE Lock, Change AF Area, One Push File Format, Electronic Level, Operation Control Lock) Fx3 Button (EV Compensation, ISO Sensitivity, Preview, AE Lock, Change AF Area, One Push File Format, Electronic Level, Operation Control Lock) 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.
<b>Operation Control Lock</b>	Type1: Disables exposure control operations in standby mode Type2: Disables the control functions of OK button, MENU button and Four-way controller in standby mode
<b>AF Customization</b>	AF.S: Focus-priority/ Release-priority 1st Frame Action in AF.C: Release-priority/Auto/Focus-priority Action in AF.C Continuous: Focus-priority, Auto, FPS-priority Hold AF Status: OFF, Low, Medium, High AF in Interval Shooting: Locks focus at 1st exposure, Adjusts focus for each shot
<b>Function Dial</b>	(ISO Sensitivity, EV Compensation, Bracket Value, Custom Image, AF Mode, AF Active Area, Focus Peaking, Program Line, Shutter Mode Selection, Recorded Pixels, AA Filter Simulator, Grid Display, LCD Display Options, Image Magnification, Outdoor View Setting) * Recorded Pixels: [Still Image] L, M, S or XS selectable [Movie] Full HD or HD selectable
<b>Text Size</b>	Standard, Large
<b>World Time</b>	World Time settings for 75 cities (28 time zones)
<b>Language</b>	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional Chinese, Simplified Chinese, Japanese
<b>AF Fine Adjustment</b>	±10 step, Uniform adjustment, Individual adjustment (up to 20 can be saved)
<b>Indicator Lamps</b>	Self-timer (ON/OFF)
<b>Copyright-Information</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-LI109
<b>AC Adapter</b>	AC Adapter Kit K-AC 168E (Optional)
<b>Battery Life</b>	Number of recordable images: (with 50% flash usage): approx. 390 images, (without flash usage): approx.: 420 images Playback time: approx. 270 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

<b>Connection Port</b>	USB2.0 (micro B), External power supply terminal, Stereo microphone input / Cable switch input (ø3.5mm connector)
<b>USB Connection</b>	MSC/PTP (SlimPort compatible)
<b>Video output</b>	USB terminal * SlimPort-HDMI adapter required

## WIRELESS LAN

<b>Standard</b>	IEEE 802.11 b/g/n
<b>Frequency</b>	2412MHz to 2462MHz (channels: Ch.1 to Ch.11)
<b>(Center Frequency)</b>	
<b>Security</b>	Authentication: WPA2, Encryption: AES

## OPERATING ENVIRONMENT

<b>Temperature</b>	-10°C ~ 40°C (14°F~104°F)
<b>Humidity</b>	85% or less (no condensation)

## DIMENSIONS

<b>Dimensions</b>	Approx. 131.5mm (W) x 101.0mm (H) x 76.0mm (D) (excluding protrusions)
<b>Weight</b>	Approx. 703g (Including dedicated battery and SD Memory Card) Approx. 643g (body only)

# OPTIONAL ACCESSORIES

## LENSES



HD PENTAX-DA 20-40mm F/2.8-4 ED Limited DC WR



HD PENTAX-DA 15mm F/4 ED AL Limited



HD PENTAX-DA 21mm F/3.2 AL Limited



HD PENTAX-DA 40mm F/2.8 Limited



HD PENTAX-DA 70mm F/2.4 Limited



HD PENTAX-DA 35mm F/2.8 Macro Limited



smc PENTAX-DA 18-135mm F/3.5-5.6 ED AL [IF] DC WR



smc PENTAX-DA\* 60-250mm F/4.0 ED [IF] SD

## FLASH GUNS



PENTAX AF 201 FG



PENTAX AF 360 FGZ II



PENTAX AF 540 FGZ II



Film Duplicator

## ACCESSORIES



Battery Grip D-BG7



Sensor Cleaning stick



Cable switch CS-310