



High performing Single Lens Reflex – camera technology for passioned photography

ART. CODE EAN

PENTAX K-3 Mark III Black

Body	01092	002707531107
Body + DA 18-135mm	0109201	0027075403147

Large and bright prism viewfinder

- High performing view finder for direct communication between the subject and the photographers eye. For a real live view, supported by high-refractive-index glass prism comparable with 35 mm full frame size camera
- 100% field of view for control your image composition for 100% of the picture and not only a part of it
- 1.05x magnification - brings your finder view to another level when operating the camera

25,7 MP BSI Sensor with IBIS

- 25.73 effective megapixels
- Back Side Illuminated Sensor for lower noise and better light performance up to ISO 1.600.000
- 5-axis in-body Image Stabilizing (IBIS) to ensures exposure reliability of up to 5.5 LV steps
- Pixel Shift for the effective use of the 25.7 megapixel reducing noise and significantly higher sharpness and colour rendition

New SAFOX 13 AF-System

- 101 AF Sensors, with center weighted 25 cross sensors, up to -4 EV
- Image tracking algorithm based on a newly developed RGB-IR image sensor with approx. 307,000 pixels for faster, more precise Autofocus operation
- Joystick to control the AF-points

Camera control system

- Top Display for all Information about the camera operation
- High Resolution LCD monitor , 3,2 Inch / 1,62 Megapixel
- Intuitive touch-screen controls
- Eye sensor to turn the monitor off automatically to reduce glare in the dark

Operability and Functionality

- New Prime V Image engine and accelerator unit for increased speed of operation
- PENTAX Real-time Scene Analysis System supports camera control to optimise exposure and autofocus
- Smart Function System for quick access to 5 individual program functions
- 10 different control buttons can be programmed for individual purposes
- 5 User modes to access presets of the camera control under different circumstances
- Extended Hyper Operation System
- High Frame rate shooting with up to 12 f/sec (for 32 RAW files)
- The weatherproof housing construction is resistant to temperatures as low as -10°C and has 95 seals that protect against dust and moisture
- The shutter is designed for at least 300,000 shots
- 4K resolution for Video - 60p/30p/24p frame rate

Kit Accessories

RECHARGEABLE-ION BATTERY D-LI90(B) 39830 | 027075155572

USB CABLE I-USB166	37822	027075300330
FINDER CAP FOR ME	31011	027075006546
PENTAX STRAP O-ST162	38477	027075294653
EYECUP FU	30490	027075303546
HOTSHOE COVER FK	31040	027075047426
BODY MOUNT CAP KII	31000	027075296787
SYNCHRO TERMINAL 2P CAP	31042	027075053441
PENTAX K-1 TRIANGULAR RING	38599	027075296848
PENTAX K-1 PROTECTIVE COVER	38600	027075296855
BATTERY GRIP CONNECTOR COVER	N.A.	N.A.

Optional Accessories

AC ADAPTER KIT K-AC166E	38371	027075301030
BATTERY CHARGER KIT K-BC90E	39834	027075155619
BATTERY CHARGER D-BC177	37871	027075302402
RAPID BATTERY CHARGER KIT K-BC177E	37873	027075302426
BATTERY GRIP D-BG8	37048	027075302525
PENTAX REMOTE CONTROL O-RC1	39892	027075183513
CABLE SWITCH CS-205	37248	027075057951
PENTAX AF201FG ELECTRO FLASH W/CASE	30458	027075288973
PENTAX AF540FGZ II W/CASE	30456	027075233010
STRAP O-ST1401 BLACK	38613	027075274662
STRAP O-ST1401 RED	38614	027075274679
HOT SHOE COVER O-HC177	31081	027075303119
CAMERA CASE O-CC160	38519	027075294561

Package Information

250 x 177 x 120mm, 1850g



PENTAX K-3 Mark III

MODEL DESCRIPTION

TYPE	TTL autofocus, auto-exposure SLR digital-still camera
BODY	Magnesium Alloy
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. 25.73 megapixels, approx. 26.78 megapixels
SENSITIVITY	ISO AUTO/100 to 1600000 (EV steps can be set to 1EV, 1/2EV or 1/3EV)
IMAGE STABILIZER	Sensor-shift shake reduction "SR II" (5-axis) Auto/Panning/Off
AA FILTER SIMULATOR	Moiré reduction using SR unit
DUST REMOVAL	Image sensor cleaning using ultrasonic vibrations "DR II"

FILE FORMATS

FILE FORMAT	RAW (PEF/DNG), JPEG (Exif 2.3), DCF2.0 compliant
RECORDED PIXELS	JPEG:L(26M:6192x4128),M(15M:4752x3168),S(9M:3648x2432), XS(2M:1920x1280), RAW:(26M:6192x4128)
QUALITY LEVEL	RAW(14bit): PEF, DNG JPEG: ★★★★★ (Best), ★★★★ (Better), ★ (Good), RAW + JPEG simultaneous capturing available sRGB, AdobeRGB
COLOR SPACE	SD, SDHC and SDXC Memory Cards *UHS-1/UHS-II compatible (UHS-II is only available for the memory card inserted in the SD1 slot.)
DUAL SD SLOT /STORAGE MEDIUM	Folder Name: Date (100_1018,101_1019...) or User assigned folder name
STORAGE FOLDER	File Name: IMG***** or User assigned file name
RECORDING FILE	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 Focus Peaking, Face detection, Touch AF
FUNCTIONS	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
DISPLAY	

VIEWFINDER

TYPE	Approx. 100% Pentaprism Finder
MAGNIFICATION	Approx. 1.05x (FA 50mm F1.4 at infinity)
EYE-RELIEF LENGTH	Approx. 20.5mm (from the view window),
DIOPTER ADJUSTMENT	Approx. -4.0m to +1.0m-1
FOCUSING SCREEN	Interchangeable Natural-Bright-Matte III focusing screen
VIEWFINDER OVERLAY	AF Points, Grid Display, Electronic Level, AF Frame, Spot Metering Frame, Crop, Smart Function, Operation Control Lock

LCD MONITOR

TYPE	Wide viewing angle TFT color LCD, Air-gapless glass
SIZE	3.2 inch (aspect ratio 3:2), Approx. 1620K dots
TOUCH SCREEN	Capacitive sensing method
ADJUSTMENT	Brightness, Saturation and Colors adjustable
OUTDOOR VIEW SETTING	Adjustable ±2 step
NIGHT VISION LCD DISPLAY	ON/OFF

WHITE BALANCE

TYPE	Method using a combination of the image sensor and the RGBIr 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 ±14 steps on A-B axis or G-M axis

AUTOFOCUS SYSTEM

TYPE	TTL: Phase-matching autofocus
FOCUS SENSOR	SAFOX 13, 101 point (25 cross type focus points)
BRIGHTNESS RANGE	EV-4 to 18 (ISO 100 / at normal temperature) * -4 EV is only available for AF points that support F2.8 light flux when an F2.8-light-flux compatible lens is attached.
AF MODE	Single AF (AFS), Continuous AF (AF.C)
AF POINT SELECTION	Auto Area, Zone Select, Select, Expanded Area(S, M, L), Select(S), Spot
AF ASSIST LIGHT	Dedicated LED AF assist light

METERING

TYPE	TTL open aperture metering using 307K pixel RGBIr sensor, Multi-segment, Center-weighted, Spot and Highlight-weighted
METERING RANGE	EV-3 to 20 (ISO100 at 50mm F1.4)
EXPOSURE MODE	Scene Analyze Auto, Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Shutter & Aperture Priority, Manual, Bulb, Flash X-sync Speed, USER1, USER2, USER3, USER4, USER5
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.
	Designed for at least 300 000 shots
SHUTTER SPEED	Auto:1/8000 to 30 sec., Manual:1/8000 to 30 sec. (1/3EV steps or 1/2EV steps), Bulb (Timed exposure setting possible from 1 sec. to 20min.)

DRIVE MODES

MODE SELECTION	Single Frame, Continuous (H, M, L), Bracketing (2, 3 or 5 frames), Depth of Field Bracketing, Motion Bracketing, Mirror-up, Multi-Exposure(Average/Additive/Bright), Interval Shooting, Interval Composite
SELF-TIMER	12s, 2s
REMOTE CONTROL	0s, 3s
CONTINUOUS SHOOTING	Max. approx. 12.0 fps, JPEG (L: ★★★★★ at Continuous H): up to approx. 37 fps, RAW: up to approx. 32 frames, RAW+: up to approx. 30 frames

EXTERNAL FLASH (ONLY)

SYNC SPEED	1/200sec.
EXPOSURE COMPENSATION	-2.0~+1.0EV

CAPTURE SETTINGS

CUSTOM IMAGE	Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, 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, Tone Expansion, Bold Monochrome, Grainy Monochrome, Clarity: Adjustable ±4 step, Skin Tone: Type1/Type2
HDR	Auto, HDR1, HDR2, HDR3, Advanced HDR, Exposure bracket value adjustable, Automatic composition correction function
PIXEL SHIFT RESOLUTION	Available, Motion Correction On/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 degree, SR Off: correction up to 2 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 and on LCD monitor (Horizontal and vertical)
PROGRAM LINE	AUTO, Normal, Hi-speed Priority, DOF Priority (Deep), DOF Priority (Shallow), MTF Priority

MOVIE

FILE FORMAT	MPEG-4 AVC/H.264(MOV)
RECORDED PIXELS	4K(3840x2160, 30p/24p), Full HD(1920x1080, 60p/30p/24p)
SOUND	Built-in stereo microphone, external microphone (Stereo recording compatible)
RECORDING TIME	Recording Sound Level adjustable, Wind Noise Reduction
	Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high.
WHITE BALANCE	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
CUSTOM IMAGES	Auto Select, Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Flat, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
DIGITAL FILTER	Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Bold Monochrome, Cross processing

PLAYBACK

PLAYBACK VIEW	Single frame, Multi-image display (20, 48, 70 segmentation), Display magnification (up to 16, 100% display, quick zoom and Focus Magnification available), Grid display (4x4 Grid, Golden Section, Scale, Square(L), Square(S), Grid Color: Black/Gray/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
DIGITAL FILTER	Base Parameter Adj, Extract Color, Replace Color, Toy Camera, Retro, High Contrast, Shading, Invert Color, Unicolor Bold, Tone Expansion, Bold Monochrome, Grainy Monochrome, Miniature, Soft, Fish-eye, Slim, Monochrome, Frame Composite
RAW DEVELOPMENT	RAW Development Parameter: White Balance, Custom Image, Sensitivity, Digital filter, Clarity, Skin Tone, HDR, Pixel Shift Resolution, Distortion Correction, Peripheral Illumin. Corr., Lateral Chromatic Aberration Correction, Diffraction Correction, Color Fringe Correction, High-ISO Noise Reduction, Shadow Correction, File Format (JPEG/TIFF), JPEG Recorded Pixels, JPEG Quality, Aspect Ratio, Color Space

CUSTOMIZATION

SETTINGS	USER Mode, Fx Button, AF/AE Lock Settings, Preview Dial, E-Dial Programming, Smart Function, Monitor Touch Operation, Eye Sensor, Viewfinder Display, LCD Panel, Monitor Display, Instant Review, Zoom Review, Warning Display, Control Panel, Memory, EV Steps, ISO Sensitivity Steps, Color Temperature Steps, Input MF Lens Focal Length, Save Rotation Information, Aperture Information Record, AF Fine Adjustment, Copyright Information
LANGUAGE	English, French, Germany, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Traditional Chinese, Simplified Chinese, Japanese

POWER SUPPLY

BATTERY TYPE	Rechargeable Lithium-ion Battery D-LI90
AC ADAPTER	AC Adapter Kit K-AC166 (Optional)
BATTERY LIFE	Number of recordable images: Approx.: 800 images Playback time: Approx. 500 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

USB TYPE-C™ / BATTERY CHARGING CONNECTION PORT	USB 3.2 Gen1, Data Transfer: MTP/CD-ROM, Battery Recharge/Power Supply (Optional AC Adapter required)
	USB Terminal (USB Type-C), External cable switch terminal (2.5mm diameter), X-sync socket, HDMI output terminal (Type D), Stereo microphone input terminal, Headphone terminal
WIRELESS LAN	IEEE 802.11b/g/n, 2412MHz~2462MHz (1ch~11ch), Authentication: WPA2
BLUETOOTH	Bluetooth® v4.2 (Bluetooth Low Energy) 2402MHz~2480MHz (ch0~ch39)

OPERATING ENVIRONMENT

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

DIMENSIONS & WEIGHT

DIMENSIONS	Approx. 134.5mm (W) x 103.5mm (H) x 73.5mm (D) (excluding protrusions)
WEIGHT	Approx. 820g (Including dedicated battery and SD Memory Card), Approx. 735g (body only)