



A monochrome-specific digital SLR camera, featuring an exclusively designed image sensor for the ultimate in monochrome photography

ART. CODE EAN

PENTAX K-3 Mark III Monochrome		
Body	01093	0027075311114
Body + HD DA 16-50 mm	0109300	0027075403154
Body + HD DA 20-40 mm	0109301	0027075403161

The concept of a monochrome-specific digital SLR camera attracted a great deal of attention and interest from photographers visiting PENTAX Meeting Online 2021, a fan event held in November 2021. PENTAX has since made extensive research on the development of a commercial product based on this concept.

The new model's design is based on the PENTAX K-3 Mark III — the flagship model of PENTAX's APS-C-format series that integrates remarkable imaging performance and a host of advanced features in a compact, durable body — while adding a new, monochrome-specific image sensor.

The camera is the only monochrome-specific digital SLR camera currently on the market. It captures high-resolution monochromatic images rich in gradation, allowing users who enjoy using all their senses when taking photographs and applying their imagination to express a view of the color-rich world in plain, black-and-white images.

Monochrome-specific CMOS image sensor

To optimize the quality of monochromatic images, the camera incorporates a monochrome-specific, APS-C-format CMOS image sensor free of an AA (anti-aliasing) filter with approximately 25.73 effective megapixels. Typical color image sensors are designed to receive light passing through red (R), green (G) and blue (B) color filters, so each pixel detects only one color-data component. To compose a monochrome image, color sensors must convert color data into monochromatic data by interpolating the color data they collect. The new monochrome-specific image sensor, however, can faithfully reflect the brightness data obtained by each pixel in the image — without the interpolation process — to produce extra-fine mono-chromatic expression, in images high in resolution and rich in gradation.

Image quality exclusively designed for monochrome photography

The image quality produced by the original PENTAX K-3 Mark III was thoroughly re-evaluated and totally redesigned to optimize the imaging characteristics of the new monochrome-specific image sensor. The result is highly sensitive expression with a natural bokeh (defocus) effect, rich gradation and extra-fine sharpness — an image only the monochrome-specific image sensor can deliver.

A selection of monochrome-specific finishing touches

The PENTAX K-3 Mark III Monochrome provides three Custom Image modes exclusively designed for monochrome photography to provide distinctive finishing touches. In addition to Standard mode, it also provides Hard mode to produce high-contrast images, and Soft mode to create high-key, low-contrast images. Each mode provides minute adjustment of parameters such as tone, key, contrast and sharpness. This allows the photographer to personalize their images with the desired finishing touch.

Exterior design reflecting the monochrome photography concept

The PENTAX K-3 Mark III Monochrome provides white backlight illumination on the LCD data panel positioned on its upper panel, while featuring "Monochrome" lettering printed on the upper-left shoulder of the back panel. Its menu screen features a black-and-white visual scheme as default, while the SR (Shake Reduction) badge is finished in silver. The icons printed on buttons and switches across the camera's exterior are finished in three shades of gray to assist the users with their camera operation. All in all, the concept of monochrome photography is evident throughout the camera body.

Note: Since the PENTAX K-3 Mark III Monochrome is solely designed for monochrome photography, some of its features and functions may differ from those of the PENTAX K-3 Mark III. Refer to the specification table attached to this release for other original features and functions

Kit Accessories

RECHARGEABLE-ION BATTERY D-LI90(B)	39830	0027075155572
USB CABLE I-USB166	37822	0027075300330
FINDER CAP FOR ME	31011	0027075006546
PENTAX STRAP O-ST162	38477	0027075294653
EYECUP FU	30490	0027075303546
HOTSHOE COVER FK	31040	0027075047426
BODY MOUNT CAP KII	31000	0027075296787
SYNCHRO TERMINAL 2P CAP	31042	0027075053441
BATTERY GRIP CONNECTOR COVER	N.A.	N.A.

Optional Accessories

AC ADAPTER KIT K-AC166E	38371	0027075301030
BATTERY CHARGER KIT K-BC90E	39834	0027075155519
BATTERY CHARGER D-BC177	37871	0027075302402
RAPID BATTERY CHARGER KIT K-BC177E	37873	0027075302426
BATTERY GRIP D-BG8	37048	0027075302525
PENTAX REMOTE CONTROL O-RC1	39892	0027075183513
CABLE SWITCH CS-205	37248	0027075057951
PENTAX AF201FG ELECTRO FLASH W/CASE	30458	0027075288973
PENTAX AF540FGZ II W/CASE	30456	0027075233010
STRAP O-ST1401 BLACK	38613	0027075274662
STRAP O-ST1401 RED	38614	0027075274679
HOT SHOE COVER O-HC177	31081	0027075303119
CAMERA CASE O-CC160	38519	0027075294561
PENTAX K-1 TRIANGULAR RING	38599	0027075296848
PENTAX K-1 PROTECTIVE COVER	38600	0027075296855

Package Information

PACK SIZE	(W) 205 x (H) 125 x (D) 161mm
WEIGHT	635gr



PENTAX *K-3 III* Monochrome

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 Monochrome, CMOS. Size: 23.3 x 15.5 (mm)
 EFFECTIVE/TOTAL PIXELS Approx. 25.73 megapixels, approx. 26.78 megapixels
 SENSITIVITY ISO AUTO/200 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, OFF/Low/High/Bracketing (2 or 3 images)
 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)
 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. 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

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 Standard, Hard, Soft
 DIGITAL FILTER Toy Camera, Retro, High Contrast, Shading, Invert Color, Tone Expansion, Grainy Monochrome
 HDR Automatic composition correction function
 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 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.
 CUSTOM IMAGES Standard, Hard, Soft
 DIGITAL FILTER Retro, High Contrast, Invert Color

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, Toy Camera, Retro, High Contrast, Shading, Invert Color, Tone Expansion, Grainy Monochrome, Miniature, Soft, Fish-eye, Slim, Frame Composite
 RAW DEVELOPMENT RAW file select:
 Select Single Image, Select Multiple Images, Select a folder, Select a shooting date
 RAW Development Parameter:
 Custom Image, Sensitivity, Digital filter, Clarity, HDR, Distortion Correction, Peripheral Illumin. Corr., Dif-fraction Correction, High-ISO Noise Reduction, Shadow Correction, File Format (JPEG/TIFF), JPEG Rec-orded 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, German, 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)
 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) x103.5mm (H) x 73.5mm (D) (excluding protrusions)
 WEIGHT Approx. 820g (Including dedicated battery and SD Memory Card), Approx. 735g (body only)