

Clifton Cameras Product Specification

Pentax K-3 Mark III Camera Full Spec

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	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 Pixels	Approx. 25.73 megapixels
Total Pixels	Approx. 26.78 megapixels
Dust Removal	Image sensor cleaning using ultrasonic vibrations "DR II"
Sensitivity (Standard output)	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 Compensation effect of 5.5 steps *Measured in conformity to CIPA standards, using smc PENTAX-DA 18-135mmF3.5-5.6ED AL[IF]DC WR lens at a focal length of 135mm.
AA Filter Simulator	Moiré reduction using SR unit. OFF/Low/High/Bracketing (2 images)/Bracketing (3 images)
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
Color Space	sRGB, AdobeRGB
Storage Medium	SD, SDHC and SDXC Memory Card (Conforms to USH-I, UHS-II standards)
Dual SD slot	Sequential Use, Save to Both, Separate 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. 1.05x (FA 50mmF1.4 at infinity)
Eye-Relief Length	Approx. 20.5mm (from the view window), Approx. 22.0mm (from the center of lens)
Diopter adjustment	Approx. -4.0m to + 1.0m-1
Focusing Screen	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
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
LCD monitor	
Type	Wide viewing angle TFT color LCD, Air-gapless glass
Size	3.2 inch (aspect ratio 3:2)
Dots	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) *EV-4 with luminance flux based on F2.8 levels
AF mode	Single AF (AF.S), 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
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.)
LV Electronic Shutter	ON/OFF
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	<p>Max. approx. 12 fps, JPEG (L: ★★★ at Continuous H): up to approx. 37 frames, RAW: up to approx. 32 frames</p> <p>Max. approx. 7.0 fps, JPEG L: ★★★ at Continuous M): up to approx. 60 frames, RAW: up to approx. 37 frames</p> <p>Max. approx. 2.5 fps, JPEG (L: ★★★ at Continuous L): up to approx. 90 frames, RAW: up to approx. 39 frames</p> <p>*Depending on shooting conditions</p> <p>*Continuous shooting speed slows down with High sensitivity</p>
External Flash	
Flash Modes	<p>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, Contrast-control-sync, High-speed sync, Wireless sync</p> <p>* Contrast-control-sync and High-speed sync requires 2 or more dedicated external flash</p>
Sync Speed	1/200sec.
Flash 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 degrees, SR Off: correction up to 2 degrees
Composition Adjustment	Adjustment range of ± 1.5 mm up, down, left or right (1mm when rotated); Rotating range of 1 degree
Electronic Level	Displayed in viewfinder (Horizontal and vertical); Displayed 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 Sound Level adjustable, Wind Noise Reduction
Recording Time	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
Cross Processing	Random, Preset 1-3, Favorite 1-3.
Digital Filter	Extract Color, Replace Color, Retro, High Contrast, Invert Color, Unicolor Bold, Bold Monochrome
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
Delete	Delete single image, Delete all, Select & delete, Folder delete, Calendar delete, Delete instant review image
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	<p>RAW file select: Select Single Image, Select Multiple Images, Select a folder, Select a shooting date</p> <p>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</p>
Customisation	
Settings	<p>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</p>
Language	<p>English, French, Germany, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Thai, Korean, Traditional Chinese, Simplified Chinese, Japanese</p>
Power supply	
Battery Type	Rechargeable Lithium-ion Battery D-LI90
AC Adapter	AC Adapter Kit K-AC166(Optional)
Battery Life	<p>Number of recordable images: Approx.: 800 images Playback time: Approx. 250 minutes</p> <p>* With a fully-recharged Rechargeable Lithium-ion Battery. Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition.</p>
Interfaces	
Connection Port	<p>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</p>
USB Connection	<p>USB 3.2 Gen1, Data Transfer: MTP/CD-ROM, Battery Recharge/Power Supply (Optional AC Adapter required)</p>
Wireless LAN	
Standards	IEEE 802.11b/g/n
Frequency (Center Frequency)	2412MHz~2462MHz (1ch~11ch)
Security	Authentication: WPA2, Encryption: AES
Bluetooth	



Standards	Bluetooth® v4.2 (Bluetooth Low Energy)
Frequency (Center Frequency)	2402MHz~2480MHz (CH0~CH39)
Dimensions and 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)