PENTAX

Q10

THE SIZE OF A COMPACT,
THE PERFORMANCE OF AN SLR

Colors	Art.No	EAN Code	Kit
RED	12194	027075221291	Q10 + 5-15m f/2.8-4.5
	12205	027075221406	Q10 + 5-15mm f/2.8-4.5 + 15-45mm f/2.8
SILVER	12160	027075220959	Q10 + 5-15m f/2.8-4.5
	12171	027075221062	Q10 + 5-15mm f/2.8-4.5 + 15-45mm f/2.8
BLACK	12126	027075220140	Q10 + 5-15m f/2.8-4.5
	12137	027075220256	Q10 + 5-15mm f/2.8-4.5 + 15-45mm f/2.8

THE SMALLEST MIRRORLESS
- 102mm (l) x 58mm (h) x 33.5mm (D)
- Magnesium alloy Body
- Ultra Light 180g (body only)
- New range of dedicated lenses

IMAGE AND HIGH QUALITY VIDEO
- New 12MP CMOS back-illuminated, high sensitivity sensor with upgraded AF performance
- Sensor Stabilization system (Shake Reduction)
- Sensitivity ISO 100-6400
- Full HD Video, Codec H.264, 30 fps

EASY OPERATION
- 3'' High definition LCD Screen
- Continuous shooting 5 frames/sec.
- Shutter speed up to 1/8000e sec.
- Av and Tv modes
- RAW format available
- Built-in flash GN5
- Optional optical viewfinder

102 мм
58 мм
33.5 мм

OPTIONAL ACCESSORIES

Standard Prime 8.5mm
Equ.to **47mm** in 35mm format

Standard Zoom 5-15mm
Equ.to **27.5-83mm** in 35mm format

Telephoto Zoom 15-45mm
Equ.to **83-249mm** in 35mm

Toy lens Wide 6.3mm
Equ.to **35mm** in 35mm format

Toy Lens Telephoto 18mm
Equ.to **100mm** in 35mm format

Fish-eye 3.2mm
Equ.to **17.5mm** in 35mm

PL Filter

Remote Control

Optical Viewfinder

Standard Prime 8.5mm
Equ.to **47mm** in 35mm

Standard Zoom 5-15mm
Equ.to **47mm** in 35mm

	Code Art
PENTAX Standard PRIME 8.5mm f/1.9 AL [IF]	22067
PENTAX Standard ZOOM 5-15mm f/2.8-4.5	22077
PENTAX Fish-Eye 3.2mm F5.6	22087
PENTAX Toy Lens Wide 6.3mm F7.1	22097
PENTAX Toy Lens Telephoto 18mm F8	22117
PENTAX Telephoto Zoom 15-45mm F2,8	22157
Optional optical viewfinder	31067
PL Filter	35654
Remote Control	37377

SUPPLIED ACCESSORIES

USB Cable I-USB7

Strap O-ST131

Rechargeable Lithium-ion Battery D-LI68

Battery Charger D-BC68P

Software (CD-ROM) S-SW131

Hot shoe cover FK

Body mount cover

Software SILKYPIX Developer Studio 3.0 for PENTAX

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TECHNICAL SPECIFICATIONS Q10

TYPE

Type	Lens-interchangeable SL digital-still camera
Lens Mount	PENTAX bayonet Q-mount
Compatible Lens	Q-mount lenses

SENSOR

Sensor Type	1/2,3'' CMOS sensor, with primary colour filter
Number of pixels	Approx. 12.4 MP effective - 12,76 MP total
Image Stabilizer	Sensor shift Shake reduction
Dust Removal	Image sensor cleaning using ultrasonic vibrations 'DRII'
Sensitivity range	AUTO : ISO 100 to 6400 (1/3 EV steps) Bulb mode : up to ISO 1600

FILE FORMATS

File formats	RAW (DNG), JPEG (Exif 2.3), DCF2.0 compliant RAW and JPEG simultaneously recordable
Recorded Pixels	JPEG : [4:3] 12M(4000x3000), 9M(3456x2592), 5M (2688x2016), 3M(1920x1440), [3:2] 10M (4000x2664), 8M(3456x2304), 5M(2688x1792), 2M (1920x1280), [16:9] 9M(4000x2248), 6 (3456x1944), 4M(2688x1512), 2M(1920x1080), [1:1] 9M(2992x2992), 6M(2592x2592), 4M(2016x2016), 2M(1440x1440) RAW : [4:3] 12M(4000x3000) RAW (12bit) : DNG
Quality level	JPEG : ★★★ (best), ★★ (better), ★ (good)
Color space	sRGB, Adobe RGB
Storage medium	SD, SDHC and SDXC Memory card
Storage folder	Date (100_1018, 100_1019….)/PENTX (100 PENTX, 101 PENTX…)

LCD SCREEN

Type	3'' TFT color LCD monitor, wide-angle viewing, 460k dots Brightness and colors adjustable
Display	Field of view : approx. 100%, grid display (4x4 grid, Golden section, scale display), Bright/dark area warning, histogram

AUTOFOCUS SYSTEM

Type	Contrast detection AF
Focus mode	AF/MF switching Face Detection, Tracking , AF Select (25 Points), Select, Spot
Brightness range	EV1 to 18 (ISO125)
AF Assist Light	Dedicated LED AF assist light
Assist	OFF/ x2/ x4

METERING

Type	TTL image sensor metering, segment metering, center weighted metering and spot metering
Exposure compensation	EV1.3-17 (ISO 125, F1.9 lens), +/-2EV using the electronic shutter setting or using the ND filter
Exposure modes	AutoPicture mode (Standard, Portrait, Landscape, Macro, Night Scene Portrait, Night Scene, Blue Sky, Forest), Scene modes (Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue sky, Night scene, Night scene HDR*, Night Snap, Food, Quick Macro*, Pet, Kids, Forest, Surf & snow, HDR*, Backlight silhouette, Candlelight, Stage lighting, Museum, Program, Shutter Priority, Aperture Priority, Manual, Bulb, Blur control* JPEG only
EV Compensation	+/- 3EV (1/3 EV Step)
AE Lock	Can be assigned to the green/delete button from the menu Continuous as long as the sutter release button is pressed halfway
Shutter	Lens shutter : 1/2000—30 seconds (1/3EV step, 1/8000—30 seconds when electronic shutter setting is enabled), Bulb * Shooting at 1/8000—2 seconds with electronic shutter and bulb shooting are not available when using a lens that has no lens shutter
Aperture	From wide open to F8 *Not available when using a lens that has no lens shutter
ND Filter	Off/On * Not available when using a lens that has no lens shutter

BUILT-IN FLASH

Type	Built-in retractable P-TTL flash Guide number : approx. 4.9 (ISO 100/m) / approx.7 (ISO 200/m) Angle of view : coverage : wide-angle lens, equivalent to 28mm in 35mm format
Flash modes	P-TTL, Red-eye Reduction, Slow-speed Sync, Trailing Curtain Sync
Sync Speed	Lens shutter : 1/2000sec., electronic shutter : 1/13 sec.
Flash exposure compensation	-2.0 to + 1.0 EV

POWER SUPPLY

Battery Type	Rechargeable Lithium-ion Battery D-LI68
AC Adapter	AC Adapter Kit K-AC115 (optional)
Battery Life	Number of recordable images : approx. 250 images (with 50% flash usage), approx. 270 images (without flash usage) Playback time : approx. 160 min. *using a new lithium-ion battery under the temperature at 23°C, tested in compliance with CIPA standard. Actual results may vary depending on the shooting conditions/ circumstances

INTERFACES

Video Output	AV output terminal, HDMI output terminal (type D), compatible with NTSC/PAL
USB	USB 2.0 (high speed compatible) - MSC/PTP

RECORDING PARAMETERS

Drive modes	Single frame, Continuous (Hi, Lo), Self-timer (12s, 2s), remote control (0 sec. 3 sec. continuous), Auto Bracketing (3 frames, remote control)
Continuous shooting	Continuous hi : Approx. 5 fps up to 5 frames in JPEG (12M, ★★★) Continuous lo : Approx. 1.5 fps up to 100 frames in JPEG (12M, ★★★)
Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
White Balance	Daylight, Shade, Cloudy, Fluorescent Light (D:Daylight Color, N:Daylight White, W:Cool White, L: Warm White), Tungsten, Flash, CTE, Manual (configuration on monitor). Fine adjustment (+/-7 steps on A-B axis or G-M axis)
Noise Reduction	High-ISO NR
Dynamic Range Setting	Highlight Correction, Shadow Correction
Lens correction	Distortion Correction
Digital Filter	Toy camera, High contrast, Shading, Slim, HDR, Invert Color, Extract Color, Color, Water color, Posterization, Fish-eye
HDR Capture	Auto, HDR1, HDR2
Multi-exposure	Number of shots : 2-9, exposure adjusted automatically
Interval Shooting	Shooting interval : 1 sec. to 24 hr, Start interval setting : immediately from the set time. Number of shoots : up to 999 images
Smart Effect	Brillant color, unicolor Bold, Vintage color, Cross Processing, Warm Fade, Tone Expansion, Bold Monochrome, Water Color, Vibrant Color enhance, USER 1 to 3

MOVIE

File format	MPEG-4 AVC/H.264
Recorded Pixels	Full HD (1920x1020, 16:9, 30fps), HD (1280x720, 16:9, 30fps), VGA (640x480, 4:3, 30fps)
Sound	Built-in monaural microphone
Recording time	Up to 25 minutes; automatically stops recording if the internal temperature of the camera becomes high
Movie Processing	Custom Image (Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing). Digital Filter (Toy camera, High contrast, Shading, Slim, HDR, Invert Color, Extract Color, Color, Water color, Posterization, Fish-eye)
Interval Movie	Recording interval : 1 sec., 5 sec., 10 sec., 30 sec., 1 min., 5 min., 10 min, 30 min, 1 hr Recording time : 5 sec. to 99 hr Start Interval setting : immediately, from the set time
Movie Editing	Divide or delete selected frames, capturing a JPEG still picture from a movie

OTHER FEATURES

Custom functions	13 items
Mode memory	12 items
Button/Dial Customization	Green/Delete button (Green button, Preview, One Push File format, AE Lock, Enable AF), Quick dial (Smart effect, Custom Image, Digital Filter, Aspect Ratio)
World time	World time settings for 75 cities (28 time zones)
Language	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional Chinese, Simplified Chinese, and Japanese
Playback functions	Single frame, image comparison, multi-image display (up to 90), display magnification (up to 16X), rotating, histogram, bright/dark area warning, detailed information display, folder display, calendar display, slideshow. RAW Development (file format, Aspect Ratio, Color space, Custom image, White balance, sensitivity, high-ISO NR, Shadow correction, Distortion correction) Digital filter (Monochrome, Toy camera, High contrast, Shading, Slim, HDR, Invert Color, Extract Color, Color, Water color, Posterization, Fish-eye, Retro, Soft, Sketch filter, Miniature, Frame composite, Starbust, Base parameter Adjustment)
Edit	Resize, Cropping, Index, Red-Eye edit, Saving Buffer as a RAW file

DIMENSIONS AND WEIGHT

Dimensions	102mm(W)x 58mm(H)x 33.5mm(D) excluding operation parts and protrusion
Weight	200g (loaded with battery and SD card), 180g (body only)