

## PENTAX Q7 Specifications

Model Description	
Type	Lens-interchangeable SL digital-still camera
Lens Mount	PENTAX bayonet Q-mount
Compatible Lenses	Q-mount lenses
Image Capture Unit	
Image Sensor	Type: CMOS sensor with a primary color filter, Size: 1/1.7-inch
Effective Pixels	Approx. 12.4 megapixels
Total Pixels	Approx. 12.76 megapixels
Dust Removal	Image sensor cleaning using ultrasonic vibrations "DR II"
Sensitivity (Standard Output)	AUTO: ISO 100 to 12800 (1/3 EV steps) Bulb mode: up to ISO 1600
Image Stabilizer	Sensor shift Shake Reduction
File Formats	
File Formats	RAW (DNG), JPEG (Exif 2.3), DCF 2.0 compliant
Recorded Pixels	JPEG [4:3]L:12M(4000x3000),M:7M(3072x2304),S:3M(1920x1440) [3:2]L:10M(4000x2664),M:6M(3072x2048),S:2M(1920x1280) [16:9]L:9M(4000x2248),M:5M(3072x1728),S:2M(1920x1080) [1:1]L:9M(2992x2992),M:5M(2304x2304),S:2M(1440x1440) RAW [4:3]12M(4000x3000)
Quality Level	RAW : DNG(12bit) JPEG: ★★★(Best), ★★(Better), ★(Good) RAW and JPEG simultaneously recordable
Color Space	sRGB, AdobeRGB
Storage Media	SD, SDHC, and SDXC Memory Card; Eye-Fi Card
Storage Folder	Date (100_1018_100_1019 ...), PENTX (100PENTX, 101PENTX...)
LCD Monitor	
Type	TFT color LCD monitor, wide angle viewing, AR Coat
Size	3.0 inches
Dots	Approx. 460,000 dots
Adjustment	Brightness and colors adjustable
Display	Field of view approx. 100%, Grid display (4x4 Grid, Golden Section, Scale display), Bright area warning, Histogram, Electronic level
White Balance	
Auto	TTL by CMOS image sensor
Preset	Daylight, Shade, Cloudy, Fluorescent Light (D: Daylight Color, N: Daylight White, W: Cool White, L: Warm White), Tungsten, Flash, CTE, Manual (1-3)
Manual	Configuration on monitor
Fine Adjustment	Adjustable ±7 steps on A-B axis and G-M axis
Autofocus System	
Type	Contrast detection AF
Brightness Method	EV 1 - 18 (ISO100)
Focus Method	AF/MF switching
Autofocus Method	Face Detection, Tracking, Multi-point Auto, Select, Spot
AF Assist Light	Dedicated LED AF assist light
MF Assist	Off/x2/x4/x6
Metering	
Type	TTL image sensor metering, segment metering, centerweighted metering, and spot metering
Exposure Compensation	EV 1 - 17 (ISO100, F1.9 lens), +2 EV using the Electronic Shutter setting or using the ND filter

Exposure Modes	<Auto Picture mode> Standard, Portrait, Landscape, Macro, Night Scene Portrait, Night Scene, Blue Sky, Forest <Scene Mode> Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue Sky, Night Scene, Night Scene HDR*, Night Snap, Food,
EV Compensation	±3 EV (1/3 EV steps)
AE Lock	Can be assigned to the green/delete button from the menu. Continuous as long as the shutter 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 wideopen 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.
Drive Modes	
Mode Selection	Single frame, Continuous (Hi, Lo), Self-timer (12s, 2s), Remote Control (0 sec., 3 sec., continuous), Exposure Bracketing (3 frames, remote control), Multi-exposure (multi-exposure, self-timer multi-exposure, remote control multi-exposure), Interval Shooting
Continuous Shooting	Approx. 5 fps, JPEG [4:3] L 12M / ★★★ / Continuous Hi; up to 5 frames, Approx. 1.5 fps, JPEG [4:3] L12M / ★★★ / Continuous Lo; up to 100 frames
Flash	
Built-in Flash	Built-in retractable P-TTL flash Guide number: approx. 4.9 (ISO100/m) / approx. 7 (ISO200/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: Internal flash 1/2000 seconds, External flash 1/250 seconds; Electronic shutter: 1/13 second
Flash Exposure Compensation	-2.0 to +1.0 EV
Capture Functions	
Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
Noise Reduction	High-ISO NR
Dynamic Range Setting	Highlight Correction, Shadow Correction
Lens Correction	Distortion Correction
Digital Filter	Toy Camera, High Contrast, Shading, Tone Expansion, Invert Color, Extract Color, Unicolor Bold, Water Color, Posterization, Slim, Fish-eye
HDR Capture	Auto, HDR 1, HDR 2
Multi-exposure	Number of shots: 2-9, exposure adjusted automatically
Interval Shooting	Shooting interval: 3 sec. to 24 hr., Start Interval setting: immediately from the set time, Number of shots: up to 999 images
Smart Effect	Brilliant 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	FullHD(1920x1080,16:9,30fps/25fps/24fps), HD(1280x720,16:9,30fps/25fps/24fps), VGA(640x480,4:3,30fps/25fps/24fps)
Sound	Built-in monaural microphone
Recording Time	Up to 25 minutes; automatically stops recording if the internal temperature of the camera becomes high.
Custom Image	Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing

Digital Filter	Toy Camera, High Contrast, Shading, Tone Expansion, Invert Color, Extract Color, Unicolor Bold, Water Color, Posterization, Slim, Fish-eye
Interval Movie	Recording interval: 3 sec., 5 sec., 10 sec., 30 sec., 1 min., 5 min., 10 min., 30 min., 1 hr., Recording time: 12 sec. to 99 hr. Start Interval setting: immediately, from the set time
Playback Functions	
Playback View	Single frame, multi-image display (4, 9, 30, 56 segmentation), display magnification (up to 16x, scrolling and quick magnification available), rotating, histogram (Y histogram, RGB histogram), bright area warning, detailed inf, folder display, date display, slideshow
Delete	Delete single image, delete all images, select & delete, delete folder, delete instant review image
Digital Filter	Base Parameter Adjustment, Toy Camera, High Contrast, Shading, Tone Expansion, Invert Color, Extract Color, Unicolor Bold, Water Color, Posterization, Slim, Fish-eye, Retro, Sketch Filter, Miniature, Soft, Starburst
Raw Development	File Format (JPEG), Aspect Ratio, Color Space, White Balance, Custom Image, Digital Filter, Sensitivity, High-ISO NR, Shadow Correction, Distortion Correction
Edit	Resize, Cropping (aspect ratio adjustment available), Index, Movie Editing (divide or delete selected frames), Capturing a JPEG still picture from a movie, Red-eye Edit, Saving buffer as a RAW file
Customization	
Custom Functions	16 items
Mode Memory	11 items
Button/Dial Customization	Green/Delete button: Green Button, Preview, One Push File Format, AE Lock, Enable AF
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
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. 260 images (without flash usage), approx. 240 images (with 100% flash usage) Playback time: approx. 160 minutes* Using a new Rechargeable lithium-ion battery at a temperature of 23 °C. These are estimates for testing conditions in compliance with CIPA standards, but actual values will vary depending on usage condition.
Interfaces	
Connection Port	USB 2.0 (high-speed compatible) / AV output terminal, HDMI output terminal (Type D)
USB Connection	MSC/PTP
Video Output Format	NTSC/PAL
Dimensions and Weight	
Dimensions	Approx. 102.0mm (W) x 58.0mm (H) x 33.5mm (D) (excluding the operation parts and protrusion)
Weight	Approx. 200g (loaded and ready with the dedicated battery and SD Memory Card), Approx. 180 g (body only)
Accessories	
Package Contents	USB Cable I-US87, Strap O-ST131, Rechargeable Lithium-ion Battery D-Li68, Battery Charger D-BC68P, AC Cord D-CO2, Software (CDROM) S-SW133 Hot shoe cover FK, Q Body mount cover
Software	SILKYPIX Developer Studio 3.0 LE for PENTAX RICOH IMAGING

## PENTAX Q7 Interchangeable-Lens Specifications

Product Name	High-Performance Lens Series			Unique-Lens Series			
	PENTAX-01 STANDARD PRIME	PENTAX-02 STANDARD ZOOM	PENTAX-06 TELEPHOTO ZOOM	PENTAX-03 FISH-EYE	PENTAX-04 TOY LENS WIDE	PENTAX-05 TOY LENS TELEPHOTO	PENTAX-07 MOUNT SHIELD LENS <small>NEW</small>
Mount	PENTAX Q (metal mount)						
Focal Length (equivalent in 35mm format)	8.5mm (39.0mm)	5mm~15mm (23.0mm~69.0mm)	15mm~45mm (69.0mm~207.0mm)	3.2mm (16.5mm)	6.3mm (33.0mm)	18mm (94.0mm)	11.5mm (53.0mm)
Aperture	F1.9	F2.8~F4.5	F2.8	F5.6	F7.1	F8	F9
Angle of View	58°	87°~35°	173°	173°	67°	26°	44.5°
Lens Construction	8 elements in 5 groups	8 elements in 7 groups	14 elements in 10 groups	6 elements in 5 groups	4 elements in 3 groups	3 elements in 3 groups	1 elements in 1 groups
Aperture Type	Automatic aperture						
Minimum Shooting Distance	0.2m	0.3m (Entire zoom range)	1.0m (Entire zoom range)	0.09m	0.07m	0.27m	0.3m
Maximum Magnification	Approx. 0.05x	Approx. 0.06x	Approx. 0.05x	Approx. 0.06x	Approx. 0.15x	Approx. 0.08x	—
Filter Diameter	40.5mm						
Maximum Diameter & Length	45.5mm x 23.0mm	48.5mm x 48.0mm	50.0mm x 56.0mm (When retracted)	40.6mm x 30.5mm	40.6mm x 25.0mm	40.6mm x 19.5mm	40.8mm x 6.9mm
Weight	Approx. 37 g	Approx. 96 g	Approx. 90 g	Approx. 29 g	Approx. 21 g	Approx. 18 g	Approx. 8 g
Other	Built-in lens shutter, built-in ND filter, SP coating						
Hood	MH-RA40.5 (Sold separately)	PH-RB40.5 (Sold separately)	PH-RBA40.5 (Sold separately)	Not compatible			

● For connection to a system environment/PC and for use of SILKYPIX Developer Studio 3.0 LE for PENTAX RICOH IMAGING, the system requirements are as shown below.  
**[ Windows system environment ]** ● OS: Windows 8 /Windows 7 (32bit/64bit) / Windows Vista (32bit/64bit) / Windows XP (SP3 or later, Home/Pro 32bit) - On 64bit OS, it can be run as a 32bit application. ● CPU: Intel® Pentium compatible processor (Pentium 4/Athlon XP or faster recommended), Multiple core (Intel Core i7, i5 Core 2 Quad, Duo/AMD Phenom II X6, X4 /Athlon II X4, X2) compatible ● Memory: 1GB or more (2GB or more recommended) ● HDD: 100MB or more available at program installation/startup time; about 10MB per file for image file storage ● Monitor: 1024x768 dot, 24bit full color or greater  
**[ Macintosh system environment ]** ● Mac OS X 10.8/10.7/10.6/10.5 ● CPU: Compatible Intel processor / Power PC ● Memory: 1GB or more (2GB or more recommended) ● HDD: 100MB or more available at program installation/startup time; about 10MB per file for image file storage ● Monitor: 1024x768 dot, 24bit full color or greater  
 \* It is necessary for the OS to be preinstalled and updated to the latest version. - Operation on all personal computers with the recommended environment is not guaranteed.



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Attention	
⚠	In order to use this product safely and correctly, please carefully read the manual before use.

■ Images taken with the PENTAX Q7 that are for anything other than personal enjoyment cannot be used without permission according to the rights as specified in the Copyright Act. Please take care, as there are cases where limitations are placed on taking pictures even for personal enjoyment in cases of demonstrations, performances and items on display. Images taken with the purpose of obtaining copyrights also cannot be used outside the scope of use of the copyrights as laid out in the Copyright Act, and care should be taken here also. ■ The liquid crystal panel used for the LCD monitor is manufactured using extremely high precision technology. Although the level of functioning pixels is 99.99% or better, you should be aware that 0.01% or fewer of the pixels may not illuminate or may illuminate when they should not. However, this has no effect on the recorded image. ■ This device is a Class B information technology device based on the standards of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). This device was made for the purpose of use in a household environment, but if it is used in proximity to radio or television receivers, reception interference could result. Please use the device correctly in accordance with the manual. ■ For use over an extended period, we recommend that you bring along a spare battery. ■ The colors of the actual product may differ slightly from those in the catalog for printing reasons. ■ Please check the product number when you make a purchase. ■ The prices shown in this catalog are all suggested retail prices. ■ Specifications, prices, designs and other particulars are subject to change without notice. ■ All of the recorded catalog data is covered by copyrights. Consequently, neither all nor part of the data may be copied or transmitted without permission. It is only for the purpose of personal viewing. Please refrain from using it for other than personal use.

# PENTAX

## A RICOH COMPANY

# PENTAX Q7



An interchangeable-lens camera that takes "small" to a new level.

# Q7





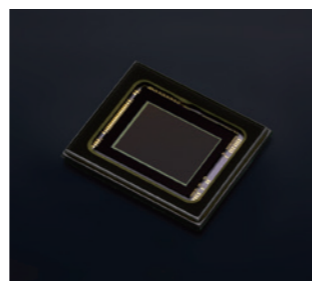
Authentic photography with easy lens changes and a palm-size body.

On ordinary days and on special days, you can take exquisitely beautiful photographs. Reaching new heights of interchangeable-lens camera capability, the Q series has taken another step up in its evolution. Fully realized performance and feel are concentrated in a compact body only about 102 mm wide. For the sensor which serves as the heart of the camera, we have adopted a 1/1.7-inch back-illuminated CMOS sensor. The new imaging engine "Q Engine" draws out the potential of the large sensor. It can easily handle rich tonal gradations and low-noise processing. Achieving high image quality with an ultra-compact palm-size body, the Q7 further expands your picture-taking fun with interchangeable lens.

A small body with the technology to capture even greater beauty. A 1/1.7-inch back-illuminated CMOS sensor combined with a new high-performance imaging engine.

The 1/1.7-inch back-illuminated CMOS sensor represents a 140% sensor size increase over previous models. It faithfully reproduces even the fine details and textures of the subject at a high resolution. High-sensitivity setting possibilities extend up to ISO12800, a level double previous models. Furthermore, the sensor size increase makes it possible to shoot with an even wider angle of view. The new imaging engine Q Engine makes full use of the potential of the back-illuminated CMOS sensor. This camera makes high quality photo expression possible with superb imaging power that achieves smooth tonal gradations while minimizing noise.

\*See page 13 concerning angle-of-view differences that depend on the camera body.





All photographers should experience the astonishing images possible with this small body.

PENTAX Q7 + 02 Standard Zoom (focal length: 5.0 mm, equivalent in 35 mm format: 23 mm). Shutter speed: 1/2 sec., Aperture: F3.5, ISO100, Aperture Priority







B

B PENTAX Q7 + 06 Telephoto Zoom (focal length: 44.0 mm, equivalent in 35 mm format: 205 mm). Shutter speed: 1/200 sec., Aperture: F2.8, ISO100, Aperture Priority



C

C PENTAX Q7 + 06 Telephoto Zoom (focal length: 45.0 mm, equivalent in 35 mm format: 207 mm). Shutter speed: 1/40 sec., Aperture: F2.8, ISO100, Aperture Priority



D

D PENTAX Q7 + 03 Fish-eye (focal length: 3.0 mm, equivalent in 35 mm format: 16.5 mm). Shutter speed: 1/20 sec., Aperture: F5.6, ISO100, Aperture Priority







E PENTAX Q7 + 01 Standard Prime (focal length: 8.0 mm, equivalent in 35 mm format: 39 mm).  
Shutter speed: 1/250 sec., Aperture: F2.2, ISO100, Aperture Priority



F PENTAX Q7 + 06 Telephoto Zoom (focal length: 44.0 mm, equivalent in 35 mm format: 203 mm).  
Shutter speed: 1/20 sec., Aperture: F4.5, ISO100, Aperture Priority



G PENTAX Q7 + 04 Toy Lens Wide (focal length: 6.0 mm, equivalent in 35 mm format: 33 mm).  
Shutter speed: 1/30 sec., Aperture: F7.1, ISO100, Aperture Priority



I PENTAX Q7 + 05 Toy Lens Telephoto (focal length: 18.0 mm, equivalent in 35 mm format: 94 mm).  
Shutter speed: 1/25 sec., Aperture: F8, ISO100, Aperture Priority



H PENTAX Q7 + 07 Mount Shield Lens (focal length: 12.0 mm, equivalent in 35 mm format: 53 mm).  
Shutter speed: 1/50 sec., Aperture: F9, ISO100, Aperture Priority



H



I

A fully realized lens system to stimulate the sensibilities of the photographer.

Smaller size but even larger potential. That is the "Q mount" system exclusively by PENTAX.

PENTAX developed its original Q-mount lens standard in an exhaustive quest to achieve shooting fun with a small camera that could be easily carried everywhere. This new mount system introduced the world to the new concept of "nano-size" interchangeable-lens cameras, and it represents a huge advance in both compactness and performance for digital interchangeable-lens cameras. Today there are 7 lenses in the exclusive Q-mount line. In addition, using the special Adapter Q (option) for K-mount lenses, you can also enjoy Q7 shooting with many different K-mount lenses.

Change lenses for versatile shooting without limitations. The Q-mount lens line.

The High-Performance Lens Series includes the fixed-focal-length 01 Standard Prime as well as the 02 Standard Zoom and the 06 Telephoto Zoom. The Unique-Lens Series includes the 03 Fish-eye, the 04 Toy Lens Wide, the 05 Toy Lens Telephoto, and the new 07 Mount Shield Lens. In addition, because of its larger sensor size, when mounted on the Q7, each lens has a wider angle of view than when mounted on previous models. Particularly in the wide-angle range, you can enjoy a noticeably wider angle of view.

\*The 01, 02, 06, and 07 lenses are fully compatible with the 1/1.7-inch size. The ratio for the lens focal length equivalent in 35 mm format has become approximately 4.6. For the 03, 04, and 05 lenses, images are recorded after trimming processing for an angle of view optimized to the image circle of each.



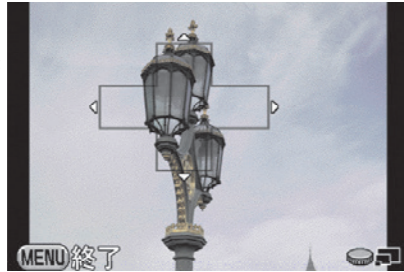


# Beautifully capture the target scene. With superb camera performance.

## Beautiful pictures? They're easy!

### Fast and precise AF (autofocus)

The Q7 focuses quickly and accurately by detecting up to 25 focus areas on the subject. You can also shift the focus area and change the size, and you can select the AF method (face detection, tracking, spot, etc.) that best fits your situation.



### Maximum sensitivity of ISO12800 to clearly capture the subject even in low light

With maximum sensitivity of ISO12800, you can easily shoot both still photographs and movies in dark situations and get vivid images with minimal noise. The ability to shoot without lowering the shutter speed also serves to reduce blurring caused by camera shake and subject movement.

### Fast 5 fps continuous shooting to be sure you catch that moment

With the Q7, it is easy to take photographs of moving subjects that are normally considered hard to capture. A top continuous shooting speed of 5 fps means that you will not miss your subject's decisive moment



even with the unpredictable movement of small children, animals, sports, splashing water, etc.

### 3.0-inch LCD monitor easy to see even outdoors (3:2/HVGA)

Featuring an antireflection coating to improve visibility, the Q7 LCD monitor has approximately 460,000 dots and a wide viewing angle of approximately 100%. The many functions to assist shooting include a grid display convenient for image framing.

### In-body shake reduction minimizes camera shake when shooting in low light and when using a telephoto lens



The Q7 has a sensor-shift in-body SR (Shake Reduction) system. It suppresses blurring in shake-prone conditions, such as when shooting low-light scenes and distant subjects. If the focal length is entered, shake reduction can operate even with lenses other than Q-mount lenses.

### DR II dust removal protects against image dust spots



The ultrasonic vibration mechanism for dust removal has been further enhanced. It efficiently removes dust and dirt adhering to the CMOS sensor.

### The built-in flash helps eliminate lens shadow

The pop-up flash mechanism makes it less likely that a lens shadow will appear in the image, and it is also effective for preventing red-eye in people shots. The flash can also handle both slow-speed synchronization, which can capture both the subject and background in proper exposure in sunset scenes, and trailing curtain synchronization, which can naturally capture the trail made by a car's lights.



### Blur control to make your subject stand out

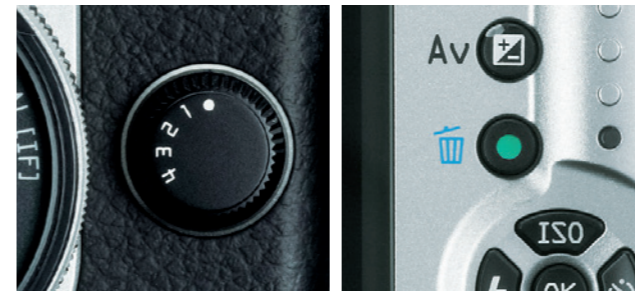
For fascinating background blurring effects making use of the characteristics of an interchangeable-lens camera, just set the mode dial to BC. After determining the focus and the distance to the subject, the Q7 automatically blurs the foreground and background.



## Individuality, both in your camera and in your photographs

### Customize the Q7 to your own specs using the Quick Dial and Green Button

You can save up to four settings (Smart Effect, Aspect Ratio, etc.) to the Quick Dial. This lets you quickly load your favorite shooting effects. You can also assign functions such as Preview and Enable AF to the Green Button.



Quick Dial

Green Button

### Use Auto Picture Modes and Scene Modes to optimize your shooting for the subject

With Auto Picture you can shoot images optimized for the given scene (Portrait, Night Scene Portrait, Night Scene, Sunset, Landscape, etc.). You can also use Scene Modes by choosing from among the 21 modes (Night Snap, Pet, etc.) based on your picture taking goals.

### 9 Smart Effect options for easy image creation using distinctive effects

When you want to try some distinctive shooting techniques, you can freely select from among the 9 Smart Effect options. You will enjoy easily creating images featuring memorable effects such as Brilliant Color, Unicolor Bold, and other effects.



Water color

Unicolor Bold

### Get that just-right "image feel" using the 11 Custom Image modes and the 19 Digital Filters

When you are looking to evoke a very specific feeling, before taking the shot you can select settings such as Bright (default), Natural, and Portrait. For a more artistic finishing style, select one of the 19 Digital Filter options (Toy Camera, High Contrast, etc.).

### RAW development can be done in the camera

RAW-format images can be developed in the camera. You can change the aspect ratio and make various types of image adjustments and corrections, and then save the file in JPEG format.

### Full HD movies for versatile video expression

Use Full HD movies to record the scene unfolding before your eyes. You can utilize any of the lenses as well as Smart Effect and Custom Image to create the kind of distinctive video that is only possible with the Q7.

### 4 aspect ratios to fit your preferences

You can switch freely between the default 4:3 ratio, the 3:2 ratio of 35 mm film, the HD standard 16:9 ratio, and the square 1:1 ratio.

### Be an expert in creating composite images with Multi-exposure

While checking the results on the monitor, you can enjoy creating multiple exposures that combine up to 9 separate images into a single image. You can also automatically adjust the resulting exposure after the images are combined.





Experience the fun of discovering new depths in your photographs.

Deeper immersion. More fun.

### Capture modes for serious shooting tailored to your goal

You can select shooting modes worthy of a digital interchangeable-lens camera: Aperture Priority (Av), Shutter Priority (Tv), and Manual (M) as well as AUTO.

### Get both the sunny parts and the shadows with HDR

The camera consecutively shoots 3 images (underexposed, standard exposure, and overexposed) and combines them into a single composite image. Keeping the gradations in both light and dark areas, you get an image with a "naked-eye" feel.

### D-Range Setting guards against overexposure and underexposure

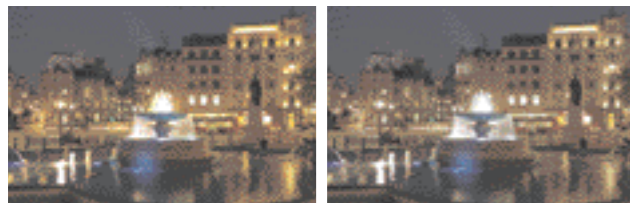
Expanding the dynamic range, you can specify Highlight Correction to prevent overexposure and Shadow Correction to prevent underexposure. This lets you shoot images with natural gradations even in high-contrast scenes.



With Highlight Correction      Without Highlight Correction

### White balance checks the existing light and adjusts to the optimum color tone

There are 8 Preset options: including Auto White Balance (AWB), which automatically adjusts white balance to match a variety of light sources, as well as CTE, which strengthens the color tone of the light source, and manual, which measures the white balance at a selected location.



AWB      CTE

### Choose a metering method to match your shooting intentions

You can select Multi-segment, which segments the sensor into 1024 areas and measures the brightness in each, as well as Center-weighted, which measures the light primarily in the center of the sensor, and Spot, which measures the light only in a small area in the center of the sensor.



Multi-segment      Center-weighted      Spot

※The metering-method image is a simulated image.

### Greater exposure control accuracy

More natural imaging is now possible with finely tuned exposure control matched to the scene, including enhanced light control when flash is used and optimized metering of subjects in a cloudy-sky background.

### Electronic level added

The electronic level detects both right-left (horizontal) and up-down (vertical) tilting. You can make accurate framing adjustments even during landscape and nightscape shooting situations where it is difficult to see reference lines.

### The High-Performance lenses have an internal ND filter

The High-Performance lenses (01, 02, and 06) have an internal ND filter that can reduce light intensity. It is convenient when you want to deliberately shoot with a large aperture and slow shutter speed without affecting the colors.

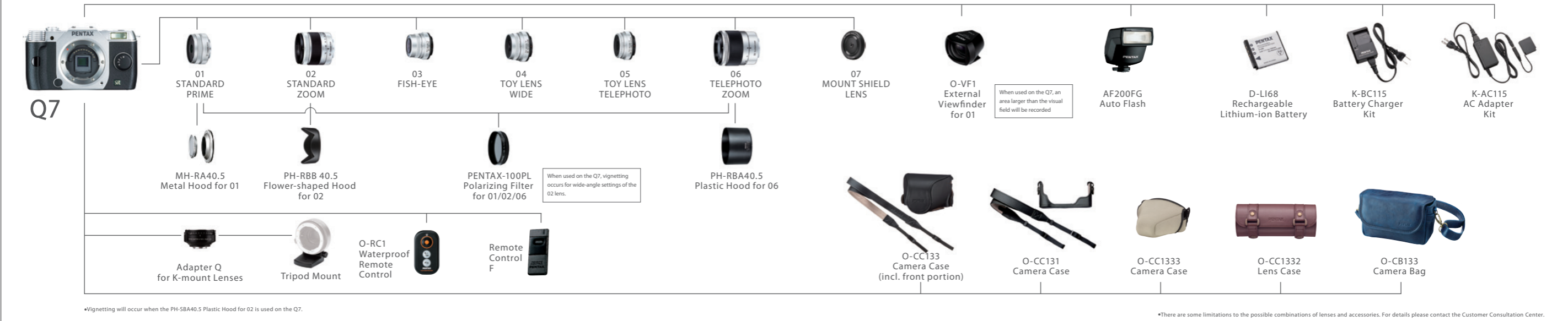
### Interval Shooting/Movie are perfect for fixed-point observation over time

Shooting up to 999 images at a regular interval over a period of up to 24 hours, you can capture the movement of animals, the blossoming of flowers, the flow of people, the movement of stars, etc. The still pictures taken at a regular interval can also be replayed as a movie.



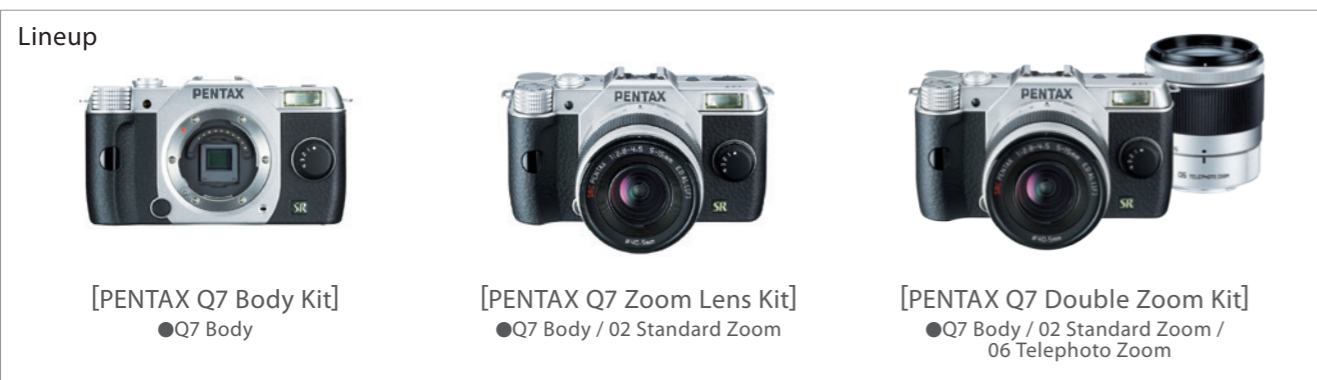


## System Configuration Diagram



Give your Q7 a more personal style with the extensive range of lenses and accessories.

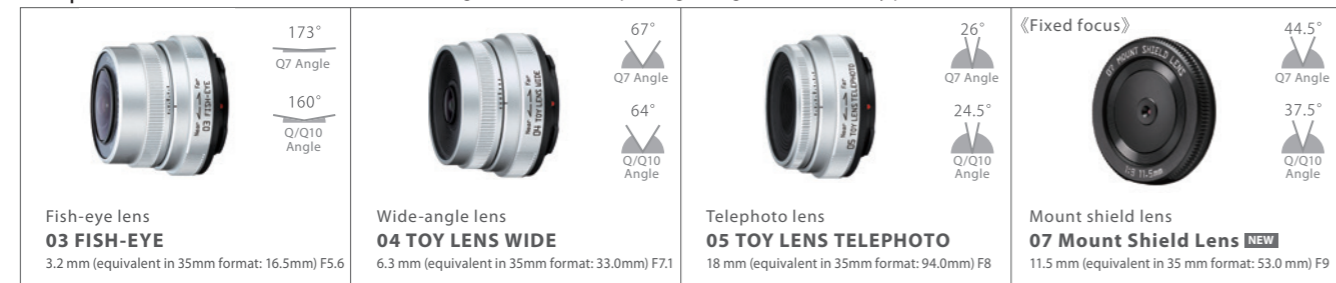
### Lineup



**High-Performance Lens Series** — These lenses make extensive use of high-performance optics for superior imaging power that minimizes aberrations.

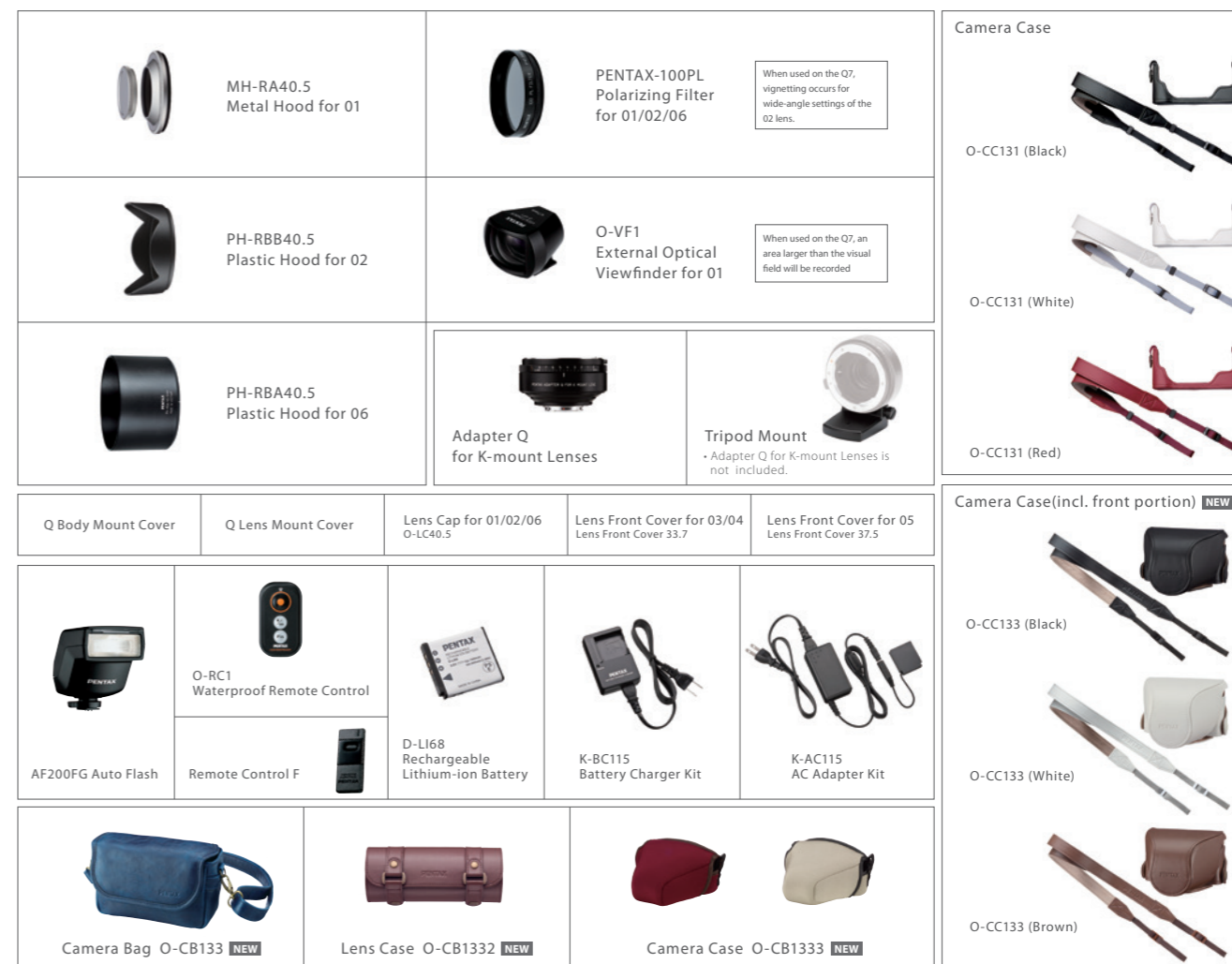


**Unique-Lens Series** — Create distinctive images with these compact, lightweight and reasonably priced lenses.



• Unique Len Series lenses are manual focus and fixed aperture with no built-in lens shutter.

### Q7 Accessories



Shooting capacity (Estimates for a 4GB SD memory card. For still images, aspect ratio 4:3; for movies, as shown in table.)

File size	RAW (DNG)		JPEG						Movies (30fps)				
	12M (4000×3000)	7M (3072×2304)	12M (4000×3000)	7M (3072×2304)	3M (1920×1440)	Full HD (16:9) (1920×1080)	HD (16:9) (1280×720)	VGA (4:3) (640×480)					
4GB	182	807	1122	1889	1351	1869	3108	3300	4482	7151	00:39'54"	01:23'43"	03:21'55"

SD (SDHC, SDXC) memory cards for which operation confirmation has been done  
 ■ Panasonic ■ Toshiba ■ SanDisk ● SD memory card capacity: 1GB, 2GB ● SDHC memory card capacity: 4GB, 8GB, 16GB, 32GB ● SDXC memory card capacity: 64GB (UHS speed class not supported) ● Eye-Fi Card  
 • "Operation confirmation" means only that our company has confirmed that the card operates; it does not represent a guarantee to the customer.  
 • For movie shooting, please use an SD (SDHC, SDXC) memory card with a high data transfer speed of class 10 or class UHS.

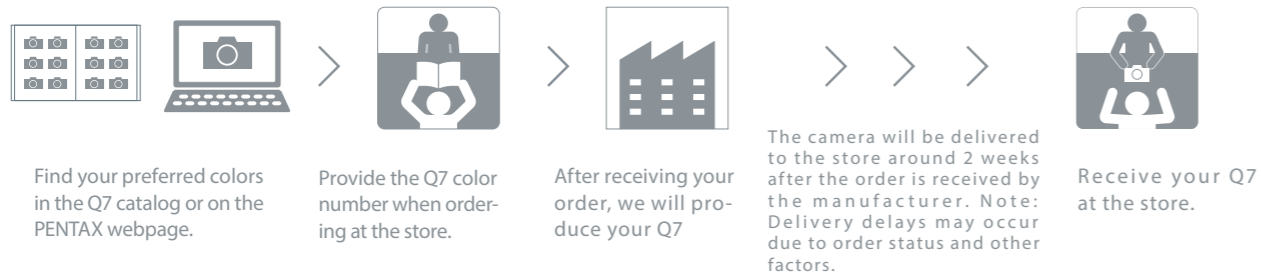


Take your favorite colors with you.

# 120colors to choose from

Select your preferred color scheme from the catalogue or the special site. Then order from your camera store. Your picture-taking life will be even more fun.

PENTAX Q7 Color ordering service order and purchase flow  
Q7 with ordered colors are produced to order. Please place your order at the store.



The colors shown in the catalog and by the color simulator are CG image colors. They may vary slightly from the actual colors.

## The regular color



The regular colors (Silver, Black, Yellow) are sold in the standard manner.

## Black



## Silver



## Yellow



## White



## Red



## Orange



## Green



## Lavender





Pink



Mint



Blue



Lilac



Cocoa Brown



Sky



Olive Green



Metal Navy



Gold



Metal Green



Lime



Metal Brown

