

Pentax Q10 Digital Camera

Sensor	
Type	1/2.3" backlit CMOS with primary color filter
Effective Pixels	12.4MP
Total Pixels	12.76MP
Recorded Resolutions	
Still (JPEG) 4:3	12MP (4000x3000), 9MP (3456x2592), 5MP (2688x2016), 3MP (1920x1440)
Still (JPEG) 3:2	10MP (4000x2664), 8MP (3456x2304), 5MP (2688x1792), 2MP (1920x1280)
Still (JPEG) 16:9	9MP (4000x2248), 6MP (3456x1944), 4MP (2688x1512), 2MP (1920x1080)
Still (JPEG) 1:1	9MP (2992x2992), 6MP (2592x2592), 4MP (2016x2016), 2MP (1440x1440)
Still (RAW) 4:3	12MP (4000x3000)
Movie (16:9)	1920x1080 at 30 fps(Full HD), 1280 x 720 at 30 fps (HD)
Movie (4:3)	640x480 at 30 fps (VGA)
LCD Monitor	
Type	3" (7.6cm) TFT color LCD monitor with wide angle viewing
Resolution	460K-dots
Adjustable Settings	Brightness & Color
Field of View	Approx. 100%
Display Info	Grid Display (4x4 Grid, Golden Section, Scale display); Bright/Dark Area warning; Histogram
Focus System	
Type	Contrast detection AF
Autofocus Method	Face Detection, Tracking, AF Select (25 Points), Select, Spot
Focus Method	AF / MF Switching
Brightness Range	EV 1 to 18 (ISO 100)
AF Assist Light	Dedicated LED Lamp
Manual Focus Assist	OFF / x2 / x4
Flash	
Type	Built-in retractable P-TTL flash
Guide Number	Approx. 4.9 (ISO 100/m); Approx. 7 (ISO 200/m)
Angle of View	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: 1/2000 sec; Electronic shutter: 1/13 sec
Flash Exposure Compensation	-2 to +1 EV
Storage Media	
Internal Memory	N/A
Removable Memory	SD/SDHC/SDXC

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Image Stabilization	
Still	Sensor Shift Shake Reduction
Movie	N/A
Metering System	
Type	TTL image sensor metering, Segment metering, Center-Weighted metering, Spot metering
Exposure Compensation	EV 1 - 17 (ISO 100, F1.9 lens), +2EV using the Electronic Shutter setting or using the built-in ND filter
ISO Sensitivity	
AUTO	ISO 100 - 6400 (1/3 EV steps)
Bulb Mode	Up to ISO 1600
White Balance	
Auto	Auto TTL by CMOS image sensor
Preset	Daylight, Shade, Cloudy, Fluorescent Light (D/N/W/L), Tungsten, Flash, CTE, Manual
Manual	Configured on the monitor
Fine Adjustment	Adjustable ± 7 steps on A-B axis or G-M axis
Shutter	
Type	Lens shutter
Shutter Speed	1/2000 - 30 sec
Shutter Speed with Electronic Shutter Enabled	1/8000 - 30 sec
Capture Modes	
Mode Selection	Auto Picture, Program, Manual, User, Movie, Blur Correction, Av, Tv, Scene
Scenes	Portrait, Landscape, Macro, Moving Object, Night Scene Portrait, Sunset, Blue Sky, Night Scene, Night Scene HDR, Night Snap, Forest, Surf & Snow, HDR, Backlight Silhouette, Kids, Pet, Quick Macro, Food, Candlelight, Stage Lighting, Museum
Green Simplified Mode	Yes
Face Detection	Yes
Digital Filters (Capture)	Image Tone: Bright, Natural, Portrait, Landscape, Vibrant, Radiant, Muted, Bleach Bypass, Reversal Film, Monochrome, Cross Processing
Dynamic Range Adjustment	Highlight & Shadow Correction
Interval Shooting	1 sec - 24 hrs (start interval setting immediately from the set time - up to 999 images)
Drive Modes	
Mode Selection	Single frame, Continuous (Hi, Lo), Self-Timer (12, 2 sec), Remote Control (0, 3 sec, continuous), Auto Bracketing (3 frames, remote control)
Continuous Shooting	Approx. 5 fps, JPEG (12MP / Continuous Hi); Approx. 1.5 fps, JPEG (12MP / Continuous Lo) - up to 100 frames
Self-Timer	12 sec, 2 sec
Remote Control	Instant, 3 sec delay, continuous
Playback Modes	
Playback View	Single frame, Multi-image display (4, 9, 20, 42, 90 segmentation), Display magnification (up to 16x, scrolling & quick magnification available), Rotating, Histogram (Y Histogram, RGB Histogram), Bright/Dark area warning, Detailed information

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Digital Filters (Playback)	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, Starburst, Base Parameter Adjustment
RAW Development	Format (JPEG), Aspect Ratio, Color Space, Custom Image, White Balance, 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
File Formats	
Still	RAW (DNG), JPEG (Exif 2.3), DCF2.0 compliant
Movie	MOV AVC/H.264 (.mov)
Sound	Built-in monaural microphone
Interfaces	
Ports	USB 2.0 (MSC/PTP), AV Out, HDMI Out (Type-D)
Video Output	NTSC/PAL
Language Support	
Languages	English, French, German, Spanish, Portuguese, Italian, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Russian, Korean, Traditional & Simplified Chinese, Japanese
Power Supply	
Power Source	Rechargeable Lithium-Ion Battery (D-LI68)
Number of Recordable Images (50% Flash Use)	Approx. 250 images
Number of Recordable Images (Without Flash Use)	Approx. 270 images
Playback Time	Approx. 160 min
AD Adapter	K-AC115 (optional)
System Requirements (Device Connection)	
Windows	Windows XP, Vista, 7; USB Port
Mac	Mac OS X 10.4, 10.5, 10.6; USB Port
Physical Specifications	
Construction Material	Reinforced polycarbonate plastic
Operating Temperature	32 to 104°F (0 to 40°C)
Dimensions (WxHxD)	4.0 x 2.3 x 1.3" (102 x 58 x 33mm)
Weight (Body Only)	6.35 oz (180 g)
Weight (Fully Loaded)	7.0 oz (200 g)