

STEPHEN FINKEL PHOTOGRAPHY

Pentax Espio 80V

The Pentax Espio 80V is a point and shoot camera with a 35mm fully automatic lens-shutter with built-in zoom lens and auto flash camera.

Film type is 24 x 36mm format, auto film speed setting with 35mm perforated DX-coded film with ISO rating from 25-3200 (1EVstep). Non-DX coded films are set to ISO25, film loading, film winding, auto film loading, and auto film winding (single-frame). Auto film rewinding at the end of roll. Auto stop upon completion of rewinding, rewinding in mid-roll provided.

The Lens for this camera is a Pentax power zoom 38-80mm f/6.3-12.5. 5 elements in 5 groups with an angle of view of 59-30.5. The focus system is Pentax infrared active autofocus with focus lock. The focus range is 0.8 (2.6ft) – infinity, maximum magnification: Approx. 0.11 x. Infinity-landscape mode (focus is fixed to infinity). The zoom is electronic and shutter is a programmed AE electronic shutter with speed approx. 1/300 – sec.

Self-timer has a LED lamp indication and delay time approx. 10sec. The Viewfinder is actual image zoom viewfinder with an 83% of field of view ratio. Magnification of 0.42 x (38mm WIDE) – 0.78 x (80mm TELE). Diopter: - 1.0m. The camera has three different types of frames: Autofocus frame, picture frame, close distance correction frame.

Exposure control is programmed auto-exposure control with the following exposure range:

ISO	38mm	80mm
25	0.8-1.3m (2.62-4.3ft)	-----
50	0.8-1.9m (2.62-6.2ft)	0.8-0.95m (2.62-3.1ft)
100	0.8-2.7m (2.62-8.9ft)	0.8-1.4m (2.62-4.6ft)
200	0.8-3.8 (2.62-12ft)	0.8-1.9 (2.62-6.2ft)
400	0.8-5.4m (2.62-18ft)	0.8-2.7m (2.62-8.9ft)
800	0.8-7.6m (2.62-25ft)	0.8-3.8m (2.62-12ft)
1600	1.1-11.0m (3.6-36ft)	0.8-5.4m (2.62-18ft)
3200	1.5-15.0m (4.9-49ft)	0.8-7.7m (2.62-25ft)

	Wide (38mm)	Tele (80mm)
ISO 400 (auto/daylight)	EV10.5- EV17.5	EV13.5-EV19.0
ISO 400 (slow-shutter speed)	EV8.0-EV17.5	EV8.0-EV19

The flash style is a built in flash with red eye reduction mode, automatic flash emission in low luminance, flash on daylight sync/slow shutter speed sync (upto 2 sec.) and flash OFF/ Flash override. When a Green lamp is light it means the flash is charged, when the green lamp is blinking the flash is being charged. Flash Recycling time is Approx. 7 sec. under Pentax testing conditions.

Power Source is one 3V lithium battery (CR123A or the equivalent) auto power shut-off in 3 min

The camera has a battery life of approx. 15 rolls of 24 exposure film when using flash 50% of the time (under Pentax testing conditions) Battery exhaustion warning when (0) appears on the LCD Panel, shutter is locked, when (0) is blinking. The camera size and weight is 120.5 (w) x 70.5 (H) x 51.5 (D) (4.7' x 2.8' x 2') 225g (7.9oz) without battery.

