

PENTAX AF540FGZ Specifications

Type: Clip-on, TTL auto zoom flash unit with serial control
Guide Number: Feet @ ISO 100 in manual mode, seven-step adjustment from 1/1 to 1/64

Focal Length (Zooming position)	85mm	70mm	50mm	35mm	28mm	24mm	20mm*
[M 1/1] [=FULL]	177	164	148	128	115	105	69
[M 1/2]	125	115	105	90	80	74	48
[M 1/4]	88	80	74	64	56	52	33
[M 1/8]	62	56	52	44	39	36	23
[M 1/16]	44	39	36	31	28	25	16
[M 1/32]	31	28	26	21	20	16	11
[M 1/64]	22	20	18	15	14	11	8

Flash Duration: [M 1/1] flash: approx. 1/1200 sec. Fastest duration time: approx. 1/20000 sec.
Recycling time/Total Flashes:

Battery Type	Recycling Time	Flashes
Alkaline (LR6)	Approx. 6 sec.	Approx. 200
Nickel hydroxide (Ni-MH)	Approx. 6 sec.	Approx. 250
Lithium (FR6)	Approx. 6 sec.	Approx. 350

Consecutive Discharge: Approx. 2 frames/sec for 50 pictures, at [M 1/64] output (with alkaline LR6 batteries)
Flash Coverage Angle: Auto zoom enabled with autofocus compatible camera and lens combination

Zooming position	85mm	70mm	50mm	35mm	28mm	24mm	20mm*
Vertical Coverage	23°	26°	34°	45°	53°	60°	85°
Horizontal Coverage	31°	36°	46°	60°	70°	78°	98°

Color Temperature: Daylight
Effective Flash Range: Approx. 2.6ft – 26.3ft (Guide No. 148, ft @ ISO 100, f/5.6)
AF Spotbeam: Red beam emitted under low light or low-contrast conditions
Compatible Film Speed: ISO 25 – 1600
Flash Modes: P-TTL auto, TTL auto, auto, manual
Flash Exposure Compensation: In P-TTL mode –3.0 to +1.0 steps (0.5 step increments)
Flash Amount Setting: With wireless slave: [1/1, 2/3, 1 / 2, 1 / 3]
Manual: [1/1, 1 / 2, 1 / 4, 1 / 8, 1 / 16, 1 / 32, 1/64]
Flash Sync Mode: Leading-shutter-curtain sync, trailing-shutter-curtain sync, contrast-control-sync, high-speed-sync, modeling flash
Wireless Flash: Control system: Optical pulse transmission
Wireless position: Master (M), control (C), slave (S)
Channels: 1 through 4
Compatible modes: P-TTL, auto (A), manual (M)
Effective range: Approx. 13ft (according to Pentax testing conditions)
Bounce Flash: Up: -10°, 0°, 30°, 45°, 60°, 75°, 90°
Right: 0°, 30°, 60°, 90°, 120°, 150°, 180°
Left: 0°, 30°, 60°, 90°, 135°
Power Saving: Automatic power-off: After approx. 3 min. of non-operation with the power in the ON position, 6 min. in Auto, 1 hour in wireless mode
Red-eye Reduction: Operates with autofocus cameras equipped with red-eye reduction feature
Modeling Flash: Modeling button fires flash consecutively for 1 second
Wide-angle Panel: Pull out manually, flash zoom position automatically sets to 20mm
Catchlight Panel: Pull out manually
LCD Panel Illumination: Light button illuminates the LCD panel for about 10 seconds, or press button again to turn off
Power Source: Size-AA batteries x 4, Alkaline LR6, Nickel Hydroxide (Ni-MH), or Lithium FR6
Dimensions: 3.0"x5.6"x4.2"
Weight: 13.4 oz without batteries