

Canon Speedlite 580EX – Design Specifications

Name	Canon Speedlite 580EX	
Flash type	Clip-on, E-TTL/TTL autoflash Speedlite with built-in zoom, bounce, AF-assist beam, and wireless function.	
Compatible cameras	All EOS cameras (flash metering system may differ depending on the camera) E-TTL autoflash (Type-A cameras): enabled with all EOS cameras from the EOS 50/50E onward (except EOS 3000) * E-TTL II autoflash will apply to EOS 20D, EOS 300X, EOS-1D Mark II, and EOS 30V Date/ 33V. TTL autoflash (Type-B cameras): enabled with all other EOS cameras.	
Normal Flash guide No. (at ISO 100 in m)	Zoom position	Guide No.
	14mm	15
	24mm	28
	28mm	30
	35mm	36
	50mm	42
	70mm	50
	80mm	53
	105mm	58
Flash coverage	Auto zoom, Manual Zoom, Wide panel.	
Picture size zoom control	When the Speedlite is attached to an EOS camera (from EOS-1D Mark II onwards), the flash head will move to position according to suit the camera's picture size. (based on Full-size, H-Size, C-size picture).	
Bounce flash	Vertical bounce: 0-90° upward, 0-7° downward Horizontal bounce: 0-180° to the left and right.	
Flash modes	1) Normal flash; 2) Quick flash; 3) High-speed sync (FP flash); 4) Stroboscopic flash: 41 flash frequency settings, 31 firing settings; 5) Test flash: With test firing button; 6) Modelling flash: Fired with the depth-of-field preview button of all Canon Digital SLR cameras (from EOS D30 onwards), and EOS -1V, 3, 30V Date/ 33V, 300X, 300V; 7) Manual	
Flash metering control	1) Automatic 2) Manual compensation with the Speedlite 580EX; up to +/- 3 stops in 1/3 or _ -stop increments 3) Manual compensation with the camera	
FEL (Flash Exposure Lock)	Provided	
FEB (Flash Exposure Bracketing)	Up to +/- 3 stops, in 1/2 or 1/3 stop increments	
Exposure confirmation	OK: Flash exposure confirmation lamp lights in green for 3 sec. after the flash is fired. No good: Lamp does not light.	
Shutter Curtain Synchronization	1 st -curtain or 2 nd -curtain synchronization can be set	
Flash duration	Normal flash: 1.2ms or shorter High-speed sync (FP flash): 2.55ms or shorter	
Color temperature information transmission	For optimal white balance the Speedlite automatically transmits the flash's color temperature information to compatible D-SLR cameras (from EOS-1D Mark II	

	onwards)
Film Speeds	ISO 6-6400 is set automatically by the camera; the effective flash range shifts according to the film speed.
AF-assist beam	Linked to 45, 9, 7, 3 or center AF-points, depending on the EOS camera in use.
Illuminated LCD display	Turns on for 12 sec. When the illumination button is pressed
Wireless transmission system	Optical pulse, between master and slave unit, including 4 channels. 3 slave groups possible
Custom Functions	14 user-settable Custom Functions available
Power sources	Internal power sources: 4 AA-size alkaline (6V) or Ni-MH (4.8V) External power sources: compact battery pack CP-E3, fits 8 AA-size alkaline (12V), Ni-MH (9.6V) or lithium (12V) batteries. High voltage pack E315.
Camera connections	1) Fixed: hot shoe with locking collar 2) PC terminal: Direct contacts 3) Dedicated, 3 pin, external power source socket
Mode memory	Provided
Dimensions (W x H x D)(mm)	76 x 134 x 114
Weight (without batteries) (gr.)	100
Accessories	Soft case (included), compact battery pack CP-E3, Speedlite bracket SB-E1, Speedlite transmitter ST-E2, wired multi-Speedlite accessories (optional)