

EX-Z80 / EX-Z200 / EX-Z100 Specifications

		EXILIM Zoom		
		EX-Z80	EX-Z200 / EX-Z100	
Number of Effective Pixels		8.1 million		
Image Sensor		1/2.5-inch square pixel CCD		
Total Pixels		8.29 million		
Total Pixels		10.34 million		
File Format	Still Images	JPEG (Exif Version 2.2, DCF 1.0 standard, DPOF compliant)		
	Movies	MOV format, H.264/AVC, IMA-ADPCM (monaural)		
	Audio (Voice Recording)	WAV format (monaural)		
Built-in Flash Memory (Image area)		12.4MB		
Recording Media		SDHC Memory Card, SD Memory Card, MultiMediaCard, MultiMediaCardplus compatible		
Number of Recorded Pixels	Still Images	3264 x 2448, 3264 x 2176 (3:2), 3264 x 1840 (16:9), 2816 x 2112, 2304 x 1728, 1600 x 1200, 640 x 480	3648 x 2736, 3648 x 2432 (3:2), 3648 x 2048 (16:9), 3072 x 2304, 2304 x 1728, 1600 x 1200, 640 x 480	
	Movies	848 x 480 (UHQ Wide/HQ Wide, 30 fps), 640 x 480 (UHQ/HQ/Normal, 30 fps), 320 x 240 (LP, 15 fps)	848 x 480 (UHQ Wide/HQ Wide), 640 x 480 (UHQ/HQ/Normal), 320 x 240 (LP)	
Recording Capacity (when set at maximum image size)	Still Images	Built-in Flash Memory	Approx. 2 shots (Fine) / 5 shots (Normal) / 7 shots (Economy)	Approx. 1 shot (Fine) / 3 shots (Normal) / 5 shots (Economy)
		SD Memory Card 1GB ¹	Approx. 210 shots (Fine) / 393 shots (Normal) / 579 shots (Economy)	Approx. 151 shots (Fine) / 286 shots (Normal) / 426 shots (Economy)
	Movies	Recording Time	Maximum Recording Time per File: 10 minutes	
		Built-in Flash Memory	Approx. 16 seconds	EX-Z200: Approx. 10 seconds EX-Z100: Approx. 11 seconds
	SD Memory Card 1GB ¹	Approx. 25 minutes 26 seconds	Approx. 18 minutes 52 seconds	
Operating Speed	Power on to First Shot ^{2,3}	Approx. 1.4 seconds	EX-Z200: Approx. 2.1 seconds EX-Z100: Approx. 1.3 seconds	
	Shutter Release Time Lag ^{2,3}	Approx. 0.008 second		
	Image Playback	Approx. 0.1 second/image		
	Shot to Shot Time ^{3,4}	Approx. 1.4 seconds	Approx. 2.7 seconds	
	Normal Speed Continuous Shutter ⁴	Approx. 1.0 second intervals	Approx. 1.9 second intervals	
	High-speed Continuous Shutter ⁵	Maximum is 5 frames per second	Maximum is 4 frames per second	
	Flash Continuous Shutter	Maximum is 3 frames per second		
Lens	Construction	6 lenses in 5 groups, including aspherical lens	7 lenses in 6 groups, including aspherical lens	
	F-number	F3.1 (W) to 5.9 (T)	F2.6 (W) to 5.8 (T)	
	Focal Length	f=6.3 to 18.9mm	f= 4.9 to 19.6mm	
	35mm film equivalent	Approx. 38 to 114mm	Approx. 28 to 112mm	
Zoom	Optical Zoom	3X	4X	
	Digital Zoom	4X (12X in combination with optical zoom)	4X (16X in combination with optical zoom)	
Focusing	Focus Type	Contrast Detection Auto Focus		
	Focus Modes	Auto Focus, Macro Mode, Pan Focus, Infinity Mode, Manual Focus		
	AF Area	Spot, Multi or Tracking		
	AF Assist Lamp	Not included	Included	
Focus Range ⁶ (from lens surface)	Auto Focus	Approx. 40cm to ∞ (W)		
	Macro	Approx. 10cm to 50cm (W)	Approx. 15cm to 50cm (W)	
	Infinity Mode	∞ (W)		
	Manual Focus	Approx. 10cm to ∞ (W)	Approx. 15cm to ∞ (W)	
Exposure	Exposure Metering	Multi-pattern, center weighted, spot by imaging element		
	Exposure Control	Program AE		
	Exposure Compensation	-2EV to +2EV (in 1/3EV steps)		
Shutter Type	CCD electronic shutter, mechanical shutter			
	Shutter Speed ⁷	Auto	1/2 to 1/2000 second	1/2 to 1/1000 second
		Night Scene (BEST SHOT)	4 to 1/2000 second	4 to 1/1000 second
Aperture ⁸	F3.1 (W) to F5.6 (W) ⁹ , auto switching		F2.6 (W) to F7.0 (W) ¹⁰ , auto switching	
White Balance		Auto WB, Daylight, Overcast, Shade, Day white FL, Daylight FL, Tungsten, manual WB		
Sensitivity (SOS/REI) ¹¹	Still Images	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600	Auto, ISO50, ISO100, ISO200, ISO400, ISO800, ISO1600	
	Movies	Auto		

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Other Recording Functions	BEST SHOT	Included: 30 scenes	Included: 39 scenes
	AUTO BEST SHOT	Not included	Included
	YouTube™ Capture Mode	Included	
	Face Recognition	Included	
	Auto Shutter	Included	
	Voice Recording	Included	
Self-timer		10 seconds, 2 seconds, Triple Self-timer	
Built-in Flash	Flash Modes	Auto, Flash Off, Flash On, Soft Flash, Red Eye Reduction	
	Flash Range	Normal: Approx. 0.1 to 2.6m (W), approx. 0.6 to 1.4m (T)	Normal: Approx. 0.2 to 3.3m (W), approx. 0.5 to 1.5m (T)
		Flash Continuous Shooting: Approx. 0.4 to 1.4m (W), approx. 0.6 to 0.7m (T)	Flash Continuous Shooting: Approx. 0.5 to 2.2m (W), approx. 0.5 to 1.0m (T)
Monitor Screen		2.6-inch wide TFT color LCD, 114,960 dots (479 x 240)	2.7-inch wide TFT color LCD (Super Clear LCD), 230,160 dots (959 x 240)
Timekeeping Functions	Date and Time	Recorded with image data	
	On-image Time Stamp Function	Included	
	Auto Calendar	To 2049	
	World Time	162 cities in 32 time zones, city name, date, time, summer time	
Input/Output Terminals		USB/AV port	
	USB	USB	Hi-Speed USB
Microphone		Monaural	
Speaker		Monaural	
Power Requirements		Rechargeable lithium ion battery (NP-60) x 1	Rechargeable lithium ion battery (NP-40) x 1
Battery Life	Number of Shots*12	Approx. 210 still images (CIPA Standards)	Approx. 400 still images (CIPA Standards)
	Continuous Playback	Approx 3 hr. 30 min. (still images)	EX-Z200: Approx 5 hr. 20 min. (still images) EX-Z100: Approx 5 hr. 50 min. (still images)
	Continuous Recording	Approx. 3 hr. 30 min. (voice recording)	EX-Z200: Approx. 8 hr. 50 min. (voice recording) EX-Z100: Approx. 10 hr. 50 min. (voice recording)
Dimensions (excluding projections)		89.7 (W) x 51.7 (H) x 19.0 (D)mm	EX-Z200: 93.0 (W) x 55.0 (H) x 22.7 (D)mm EX-Z100: 93.0 (W) x 55.0 (H) x 21.2 (D)mm
		Thinnest Part: 17.8mm	Thinnest Part: 19.2mm
Weight (excluding battery and accessories)		Approx. 100g	EX-Z200: Approx. 119g EX-Z100: Approx. 111g
Bundled Accessories		Rechargeable lithium ion battery, lithium ion battery charger, AC power cord, USB cable, AV cable, strap, CD-ROM	

*1. When using Panasonic (Matsushita) Pro High Speed 1GB SD Memory Card. *2. When using built-in memory. *3. With built-in flash off. *4. When set at maximum image size and normal image quality. *5. Image is fixed at 1600x1200 pixels and normal image quality. *6. Range is affected by optical zoom. *7. Shutter speed range may be different depending on the BEST SHOT scene. *8. Using optical zoom causes the aperture to change. *9. F5.6 is the aperture when an ND filter is being used. *10. F7.0 is the aperture when an ND filter is being used. *11. SOS: Standard Output Sensitivity. REI: Recommended Exposure Index. *12. Auto Mode, standard brightness monitor setting.