

EX-Z300 / EX-Z250 Specifications

			EXILIM Zoom	
			EX-Z300	EX-Z250
Number of Effective Pixels			10.1 million	
Image Sensor			1/2.3-inch square pixel CCD	
	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)			38.5MB	
Recording Media			SDHC Memory Card, SD Memory Card, MultiMediaCard, MultiMediaCardplus compatible	
Number of Recorded Pixels	Still Images		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		1280 x 720 (HD, 24 fps), 640 x 480 (STD, 30 fps), 320 x 240 (LP, 15 fps)	
Recording Capacity (When Set at Maximum Image Size)	Still Images	Built-in Flash Memory	Approx. 6 shots (Fine) / 11 shots (Normal) / 17 shots (Economy)	
		SD Memory Card 1GB ¹	Approx. 151 shots (Fine) / 286 shots (Normal) / 426 shots (Economy)	
	Movies	Recording Time	Maximum recording time per file: 10 min.	
		Built-in Flash Memory	Approx. 37 seconds (HD)	Approx. 1 min. 8 seconds (WIDE)
		SD Memory Card 1GB ¹	Approx. 16 min. 30 seconds (HD)	Approx. 30 min. 4 seconds (WIDE)
	Operating Speed	Power on to First Shot ^{2,3}		Approx. 2.1 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. 2.3 seconds	Approx. 2.1 seconds	
Normal Speed Continuous Shutter ⁴		Approx. 2.3 second intervals	Approx. 2.2 second intervals	
High-speed Continuous Shutter ⁵		Maximum is 4 frames per second		
Flash Continuous Shutter		Maximum is 3 frames per second		
Lens	Construction		7 lenses in 6 groups, including aspherical lens	
	F-number		F2.6 (W) to 5.8 (T)	F2.6 (W) to 5.9 (T)
	Focal Length	35mm Film Equivalent	f= 4.9 to 19.6mm	f= 4.65 to 18.6mm
Zoom	Optical Zoom		4X	
	Digital Zoom		4X (16X in combination with optical zoom)	
	HD Zoom		22.8X (640 x 480 pixels, both with optical and digital zoom)	21.3X (640 x 480 pixels, both with optical and digital 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		Yes	No
Focus Range ⁶ (From Lens Surface)	Auto Focus		Approx. 40cm to ∞ (W)	
	Macro		Approx. 10cm to 50cm (W)	Approx. 15cm to 50cm (W), Approx. 5cm to 50cm (First step from widest-angle setting)
	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	
		Night Scene (BEST SHOT)	4 to 1/2000 second	

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Aperture ^{*8}		F2.6 (W) to F7.0 (W) ^{*9} , auto switching	F2.6 (W) to F7.7 (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, ISO3200		
	Movies	Auto		
Other Recording Functions	BEST SHOT	Yes: 38 scenes	Yes: 37 scenes	
	AUTO BEST SHOT	Yes		
	Make-up Shot	Yes		
	Lighting	Yes		
	Handheld Night Scene	Yes		
	YouTube™ Capture Mode	Yes		
	Face Detection	Face Recognition	Yes	
			Yes	
	Auto Shutter	Yes		
Voice Recording	Yes			
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. 0.2 to 4.5m (W), approx. 0.5 to 2.0m (T)	Normal: approx. 0.15 to 3.8m (W), approx. 0.6 to 1.7m (T)	
		Flash continuous shooting: Approx. 0.4 to 2.2m (W), approx. 0.5 to 1.0m (T)	Flash continuous shooting: Approx. 0.4 to 1.7m (W), approx. 0.6 to 0.7m (T)	
Monitor Screen		3.0-inch TFT color LCD (Super Clear LCD), 230,400 dots (960×240)		
Timekeeping Functions	Date and Time	Recorded with image data		
	On-image Time Stamp Function	Yes		
	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	Hi-Speed USB	USB	
Microphone		Monaural		
Speaker		Monaural		
Power Requirements		Rechargeable lithium ion battery (NP-40) x 1	Rechargeable lithium ion battery (NP-70) x 1	
Battery Life	Number of Shots ^{*12}	Approx. 300 still images (CIPA standards)	Approx. 280 still images (CIPA standards)	
	Continuous Playback	Approx 7 hr. 50 min. (still images)	Approx 6 hr. 40 min. (still images)	
	Continuous Recording	Approx. 8 hr. 50 min. (voice recording)	Approx. 5 hr. (voice recording)	
Dimensions (Excluding Projections)		96.9 (W) x 57.6 (H) x 23.0 (D)mm	96.7 (W) x 57.3 (H) x 19.9 (D)mm	
		Thinnest part: 21.1mm	Thinnest part: 18.9mm	
Weight (Excluding Battery and Accessories)		Approx. 131g	Approx. 119g	
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. F7.0 is the aperture when an ND filter is being used. *10. F7.7 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.