

EXILIM Zoom EX-Z33

Number of Effective Pixels		Approx. 10.1 megapixels (/million)		
Image Sensor		1/2.3-inch square pixel CCD		
		Total Pixels: 10.34 megapixels (/million)		
File Format	Still Images	JPEG (Exif Ver. 2.2), DCF1.0, DPOF		
	Movies	Motion JPEG, AVI format, IMA-ADPCM (monaural)		
	Audio (Voice Recording)	WAV format (monaural)		
Built-in Flash Memory (Image Area)		16.9MB(After built-in flash memory is formatted.)		
Recording Media		SD Memory Card, SDHC Memory Card compatible		
Number of Recorded Pixels	Still Images	10M(3648x2736)/3:2(3648x2432)/16:9(3648x2048)/7M(3072x2304)/4M(2304x1728)/2M(1600x1200)/VGA(640x480)		
	Movies	848x480(WIDE)/640x480(STD) / 320x240(LP)		
Recording Capacity (when set at maximum image size)	Still Images	Built-in Flash Memory	Approx. 2 shots (Fine)	
			4 shots (Normal)	
			7 shots (Economy)	
	SD Memory Card 1GB		Approx. 150 shots (Fine)	
			285 shots (Normal)	
			425 shots (Economy)	
	Movies	Recording Time	Maximum recording time per file: 10 min.	
		Built-in Flash Memory	Approx. 9 seconds (Wide)	
		SD Memory Card 1GB	Approx. 10 min. 8 seconds (Wide)	
Operating Speed	Power on to First Shot		Approx. 1.3 seconds	
	Shutter Release Time Lag		Approx. 0.09 seconds	
	Shot to Shot Time		Approx. 1.1 seconds	
	Normal Speed Continuous Shutter		Approx. 0.7 second intervals	
	High-Speed Continuous Shutter		No	
	Flash Continuous Shutter		No	
Lens	Construction		6 lenses in 5 groups, including aspherical lens.	
	F-number		F3.1(W) - F5.6(T)	
	Focal Length		f=6.3 - 18.9mm	
			(Approx. 35.5-106.5mm equivalent to 35mm film)	

Zoom	Optical Zoom	3x
	Digital Zoom	4x (12 times both with optical and digital zoom)
	HD Zoom	Maximum 17.1x (@VGA, 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
Focus Range*1 (from lens surface)	Auto Focus	Approx. 10cm - Infinity (W)
	Macro	Approx. 10cm - 50cm (W)
	Infinity Mode	Infinity (W)
	Manual Focus	Approx. 10cm - Infinity (W)
Exposure	Exposure Metering	Multi pattern, Center Weighted, Spot by CCD
	Exposure Control	Program AE
	Exposure Compensation	-2EV to +2EV (in 1/3EV steps)
Shutter Type		CCD electronic shutter and mechanical shutter
Shutter Speed*2	Auto	Auto : 1/2 - 1/2000 second
	Night Scene(BEST SHOT)	4 - 1/2000 second
Aperture*3		F3.1(W) - F7.8(W) (ND filter is being used.)
White Balance		Auto WB, Daylight, Overcast, Shade, Day white Fluorescent, Daylight Fluorescent, Tungsten, manual WB
Sensitivity(SOS/REI)*4	Still Images	Auto/ ISO64/ ISO100/ ISO200/ ISO400/ ISO800/ ISO1600
	Movies	Auto
Recording Functions	BEST SHOT	23
	YouTube™ Capture Mode	YES
	Face Detection	YES
	Auto Shutter	NO
	Voice Recording	YES
	Audio recording	monaural
Self-timer		10 seconds, 2 seconds, Triple Self-timer
Built-in Flash	Flash Modes	Auto, Flash off, Flash on, Red eye reduction
Monitor Screen		2.5-inch TFT color LCD
		230,400 dots (960 x 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 (Hi-Speed USB compatible)
Microphone		Monaural
Speaker		Monaural
Power Source		Rechargeable lithium ion battery (NP-82) x1
Power Consumption		3.7V DC, Approximately 3.1W
Battery Life	Number of Shots	Approx. 210 still images (CIPA standards)
	Continuous Playback	Approx. 4 hr. 10 min. (still images)
	Continuous Recording	Approx. 1 hr. 40 min. (movie recording)
		Approx. 3 hours 40 minutes. (voice recording)
Dimensions		94.1(W) x 56.1(H) x 18.1(D) mm
		(excluding projections ; 17.4mm at thinnest point)
Weight		Approximately 102g (excluding battery and bundled accessories)

*1. Range is affected by optical zoom.*2. May differ according to camera setting.*3.Using optical zoom causes the aperture to change. *4.SOS: Standard Output Sensitivity. REI: Recommended Exposure Index.