

EX-Z400 / EX-Z270 / EX-S12 Specifications

		EXILIM Zoom		EXILIM Card	
		EX-Z400	EX-Z270	EX-S12	
Number of Effective Pixels		12.10 million	10.10 million	12.10 million	
Image Sensor		1/2.3-inch square pixel CCD	1/2.5-inch square pixel CCD	1/2.3-inch square pixel CCD	
	Total Pixels	12.39 million	12.39 million	12.39 million	
File Format	Still Images	JPEG (Exif Version 2.2, DCF 1.0 standard, DPOF compliant)			
	Movies	AVI format, Motion JPEG, IMA-ADPCM (monaural)			
	Audio (Voice Recording)	WAV format (monaural)			
Recording Media		SDHC Memory Card, SD Memory Card, Eye-Fi Wireless Card compatible			
Number of Recorded Pixels	Still Images	12M (4000 x 3000), 3:2 (4000 x 2656), 16:9 (4000 x 2240), 8M (3264 x 2448), 5M (2560 x 1920), 3M (2048 x 1536), VGA (640 x 480)	10M (3648 x 2736), 3:2 (3648 x 2432), 16:9 (3648 x 2048), 7M (3072 x 2304), 4M (2304 x 1728), 2M (1600 x 1200), VGA (640 x 480)	12M (4000 x 3000), 3:2 (4000 x 2656), 16:9 (4000 x 2240), 8M (3264 x 2448), 5M (2560 x 1920), 3M (2048 x 1536), VGA (640 x 480)	
	STD / LP Movies	640 x 480 (30 fps) / 320 x 240 (15 fps)			
	HD Movies	1280 x 720 (24 fps)			
Lens	Construction	7 lenses in 6 groups, including aspherical lens		6 lenses in 5 groups, including aspherical lens	
	F-number	F2.6 (W) to F5.8 (T)	F2.6 (W) to F5.9 (T)	F2.8 (W) to F5.3 (T)	
	Focal Length	f=4.9 to 19.6mm	f=4.65 to 18.6mm	f=6.3 to 18.9mm	
	35mm Film Equivalent	Approx. 28 to 112mm		Approx. 36 to 108mm	
Zoom	Optical Zoom	4X		3X	
	Digital Zoom	4X (16X in combination with optical zoom)		4X (12X 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	Yes			
Focus Range* ¹ (From Lens Surface)	Auto Focus	Approx. 40cm to Infinity (W)			
	Macro	Approx. 10cm to 50cm (W)	Approx. 15cm to 50cm (W) Approx. 5cm to 50cm (First step from Widest Setting)	Approx. 10cm to 50cm (W)	
	Infinity Mode	Infinity (W)			
	Manual Focus	Approx. 10cm to Infinity (W)	Approx. 15cm to Infinity (W)	Approx. 10cm to Infinity (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* ²	Auto	1/2 to 1/1000 second	1/2 to 1/2000 second	1/2 to 1/2000 second
		Night Scene (BEST SHOT)	4 to 1/1000 second	4 to 1/2000 second	4 to 1/2000 second
Aperture* ³	F2.6 (W) to F7.0 (W)* ⁴	F2.6 (W) to F7.8 (W)* ⁵	F2.8 (W) to F7.9 (W)* ⁶		
White Balance		Auto WB, Daylight, Overcast, Shade, Day White FL, Daylight FL, Tungsten, Manual WB			
Sensitivity (SOS/REI)* ⁷	Still Images	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	
	Movies	Auto			

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Other Recording Functions	Image Stabilization Mechanism	CCD-shift image atabilization		No	
	Make-up Shot	Yes			
	Lighting	Yes			
	Handheld Night Scene	Yes		No	
	BEST SHOT		Yes: 39 scenes	Yes: 37 scenes	Yes: 41 scenes
		Dynamic Photo	Yes		
		Multi-motion Image ^{*3}	Yes		
		Prerecord Movie	Yes		
		YouTube™ Capture Mode	Yes		
		AUTO BEST SHOT	Yes		
		Voice Recording	Yes		
Face Detection	Yes				
Auto Shutter	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			
Monitor Screen		3.0-inch TFT color LCD (Super Clear LCD), 230,400 dots (960 x 240)	2.7-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	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	Hi-Speed USB	
Microphone	Monaural				
Speaker	Monaural				
Power Requirements		Rechargeable lithium ion battery (NP-40) x 1	Rechargeable lithium ion battery (NP-80) x 1	Rechargeable lithium ion battery (NP-60) x 1	
Dimensions (Excluding Projections)		96.9 (W) x 57.6 (H) x 23.0 (D)mm	98.2 (W) x 54.9 (H) x 20.1 (D)mm	94.2 (W) x 54.6 (H) x 14.9 (D)mm	
		Thinnest part: 21.1mm	Thinnest part: 19.6mm	Thinnest part: 13.8mm	
Weight (Excluding Battery and Accessories)		Approx. 131g	Approx. 112g	Approx. 112g	
Bundled Accessories	Rechargeable lithium ion battery, lithium ion battery charger, AC power cord, USB cable, AV cable, strap, CD-ROM				

*1. Range is affected by optical zoom. *2. May differ according to camera setting. *3. Aperture changed by optical zoom or recording mode. *4. F7.0 is the aperture when an ND filter is being used. *5. F7.8 is the aperture when an ND filter is being used. *6. F7.9 is the aperture when an ND filter is being used. *7. SOS: Standard Output Sensitivity. REI: Recommended Exposure Index. *8. Image size 2048 x 1536 pixels.