

DMC-SZ1
Digital Camera

25mm Ultra Wide-angle LEICA DC Lens with 10x Powerful Optical Zoom

HD Video Recording in MP4 Format

MEGA O.I.S. (Optical Image Stabilizer) for Suppressing Handshake Blur

16.1-megapixel CCD Sensor

Various Special Functions Featuring Miniature Effect and Panorama Shot

High-speed Response Featuring Sonic Speed AF



Compact Digital Camera SZ1 - Powerful 10x Optical Zoom LEICA DC Lens in Slim, Compact Body

Metrics

Dimensions (W x H x D)	99.0 x 59.4 x 21.0 mm (3.9 x 2.4 x 0.9 inch)
Weight	Approx. 114g without Battery and SD Memory Card (0.26 lb) Approx. 131g with Battery and SD Memory Card (0.30 lb)

Optics

Camera Effective Pixels	16.1 Megapixels
Sensor Size / Total Pixels / Filter	1/2.33-type CCD sensor / 16.6 Total Megapixels / Primary Color Filter
Aperture	F3.1 - F5.9 / 2-Step (F3.1 / 9.0 (W), F5.9 / 16.0 (T))
Optical Zoom	10.0x
Focal Length	f=4.5-45.0mm (25-250mm in 35mm equiv.) (27-270mm in 35mm equiv. in video recording)
Extra Optical Zoom (EZ)	12.6x (4:3 / 10M), 18.0x (4:3 / 5M), 22.5x(4:3 / under 3M)
Intelligent Zoom	20.0x
Lens	LEICA DC VARIO-ELMAR 9 elements in 7 groups (4 Aspherical Lenses / 6 Aspherical surfaces)
Optical Image Stabilizer	MEGA O.I.S. (Off / On)
Digital Zoom	4x
Focusing Area	Normal: Wide 50 cm - infinity / Tele 150 cm - infinity Macro / Intelligent AUTO/ motion picture: Wide 5 cm - infinity / Tele 150cm - infinity

AF Assist Lamp	Yes
Focus	Normal, AF Macro, Zoom Macro Quick AF (Always On), Continuous AF(only for motion picture) AF Tracking
AF Metering	Face / AF Tracking / Multi (23pt) / 1pt
Shutter Speed	approx. 8 - 1/1600 sec
Recording	
File Format	Still Image: JPEG(DCF/Exif2.3) Motion picture: MP4
Mode Dial / Mode Button	Intelligent Auto, Normal Picture, SCN, Miniature
Still Image Scene Mode	Portrait, Soft Skin, Scenery, Panorama, Sports, Night Portrait, Night Scenery, Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Glass Through, Photo Frame
Continuous Shooting Mode	Full-Resolution Image, 1.3 frames/sec Max. 100 images High-speed Burst Mode: approx. 10 frames/sec (recorded in 5M / 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1) Max. 15-100 images
Motion Picture Recording (*2)	[HD Video] 1280 x 720 pixels, 25 fps (HD: 10Mbps / MP4) (Sensor output is 25P) [STD Video] VGA: 640 x 480 pixels, 25 fps (4Mbps / MP4)
MP4 (Continuous recordable time [motion pictures])	approx.90 min
MP4 (Actual recordable time [motion pictures])	approx.45 min
Exposure	Auto(Program AE)
Exposure Compensation	1/3 EV step, +/-2 EV
Light Metering	Intelligent Multiple
ISO Sensitivity	Auto / i.ISO / 100 / 200 / 400 / 800 / 1600 High Sensitivity mode (ISO 1600-6400)
Still Picture Recording	[1:1] 3456x3456(12M) [4:3] 4608x3456(16M) / 3648x2736(10M EZ) / 2560x1920(5M EZ) / 2048x1536(3M EZ) / 640x480(0.3M EZ) [3:2] 4608x3072 (14M) [16:9] 4608x2592 (12M)
White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / White Set
Color Mode / Color Effect / My color	Color Mode : Standard, Black&White, Sepia, Vivid(in normal / video), Happy (only in iA Mode)
Digital Red Eye Correction (Red-Eye Removal)	Yes
Optical Zoom in Motion Picture	Yes
Self Timer	2sec / 10sec
Playback	
Playback Mode	Normal Playback, Slideshow, Filtering Playback (Category, Favorites), Calendar Playback
Thumbnails / Zoomed Playback	12,30-thumbnails / Yes Yes / No

Calendar Display / Dual-Image Playback

Set Favorites / Rotate Image	Yes / No
DPOF Print Setting / Set Protection	Yes / Yes
Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / No
Copy / Title Edit / Text Stamp	Yes / No / Yes
Video Divide	Yes
PictBridge Support	Single / Multi / All / Favorites / DPOF

Setup

OSD language	Japanese, English, German, French, Italian, Spanish
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Others

LCD Monitor	7.5cm(3.0") TFT Screen LCD Display (230K dots) Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode, High Angle Mode
Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off, 0.6 - 5.6m (Wide/i ISO), 1.5 - 2.9m (Tele/i ISO)
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
Built-in-Memory	Approx.70MB
Microphone / Speaker	Mono / Mono
Interface	AV Output (NTSC/PAL), USB2.0 High speed
Power	Li-ion Battery Pack (3.6V, Minimum: 680mAh) (Included) AC Adaptor (Input: 110-240V AC)(Included, connect with USB cable)
Battery life (approx.)	250 pictures (CIPA Standard)*1
Included Software	PHOTOfunSTUDIO 8.0 Standard Edition Adobe Reader
Standard Accessories	Battery Pack, AC Adapter, AV Cable, USB Cable, Hand Strap, CD-ROM

NOTE

- *1
Recording conditions by CIPA standard
- CIPA is an abbreviation of [Camera & Imaging Products Association].
 - Temperature: 23 °C (73.4 °F)/Humidity: 50%RH when LCD monitor is on.
 - Using a Panasonic SD Memory Card (32 MB).
 - Using the supplied battery.
 - Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [ON].)
 - Recording once every 30 seconds with full flash every second recording.
 - Rotating the zoom lever from Tele to Wide or vice versa in every recording.
 - Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.
 - The number of recordable pictures decreases in Auto Power LCD Mode and Power LCD Mode.

*2

- These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%RH.
 - The time available for recording varies depending on the environment, the interval between recordings, and the manner of use.
 - Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON] / [OFF], starting/ stopping recording, zoom operation etc.
- *3
- Motion picture in [MP4] can be recorded continuously for up to 29 minutes 59 seconds.
 - Also, motion picture recorded continuously in [MP4] is up to 4 GB.
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