

2012 LUMIX®

DMC-ZS20 Digital Camera



Additional Colors:



24MM ULTRA WIDE ANGLE LEICA DC LENS WITH POWERFUL 20X OPTICAL ZOOM

High-quality optics give you beautiful images and a versatile zoom range.

1920x1080 60p FULL HD VIDEO RECORDING WITH STEREO MICROPHONE

Record videos with stunning clarity, fine details and true-to-life audio.

0.1 SEC LIGHT SPEED AF

Never miss a shot with virtually no shutter lag.

- 14.1 Megapixel MOS Sensor
- GPS with Map View
- Power O.I.S. with Active Mode
- 10fps High Speed Continuous Shooting
- Miniature Effect/Toy Camera/Soft Focus
- HDR
- Panorama Shot
- Creative Retouch/Auto Retouch
- High Speed Video
- 3.0" Wide Angle Touch Screen
- USB Power Charge
- LUMIX Image Uploader
- 3D Photo Mode



Panasonic
ideas for life

LUMIX®

Official Worldwide
Olympic Partner



METRICS		
Dimensions (W x H x D)	104.9 x 58.9 x 28.2 mm (4.13 x 2.32 x 1.11 inch)	
Weight	Approx. 184g without Battery and SD Memory Card (0.41 lb) Approx. 206g with Battery and SD Memory Card (0.45 lb)	
OPTICS		
Pixels	Camera Effective Pixels	14.1 Megapixels
Sensor	Sensor Size / Total Pixels / Filter	1 / 2.33-inch High Sensitivity MOS Sensor / 15.3 Total Megapixels / Primary Color Filter
Lens	Aperture	F3.3-F6.4 / Multistage Iris Diaphragm (F3.3-6.3 (W), F6.4-8.0 (T))
	Optical Zoom	20x
	Focal Length	f=4.3-86.0mm (24-480mm in 35mm equiv.) (28-560mm in 35mm equiv. in video recording)
	Extra Optical Zoom (EZ)	28.1x (4.3 / 7M), 33.8x (4.3 / 5M), 42.2x (under 3M)
	Intelligent Zoom	40x
	Lens	LEICA DC VARIO-ELMAR 12 elements in 10 groups (3 Aspherical Lenses / 6 Aspherical surfaces / 2 ED Lenses)
	2-Speed Zoom	Yes
	Optical Image Stabilizer	Power O.I.S. (On with Active Mode (only for Motion Picture) / Off)
	Digital Zoom	4x
	Focus	Focusing Area
AF Assist Lamp		Yes
Focus		Normal, AF Macro, Zoom Macro Quick AF On/Off (On in Intelligent Auto), Continuous AF (only for Motion Picture) AF Tracking
AF Metering		Face / AF Tracking / 23pt / 1pt / Spot / Touch Area
Shutter	Shutter Speed	approx. 15 - 1/2000 sec
Finder	Viewfinder	—
RECORDING		
File	File Format	Still Image: JPEG (DCF / Exif2.3) 3D Image: MPO Motion Picture: AVCHD, MP4, QuickTime Motion JPEG (only for High Speed Video)
	Recording Modes	Mode Dial / Mode Button Intelligent Auto, P, A, S, M, C1, C2, 3D Photo, SCN, Creative Control
Creative Control Mode	Creative Control Mode	Expressive, Retro, High Key, Low Key, Sepia, Dynamic Monochrome, High Dynamic, Toy Effect, Miniature, Soft Focus
	Still Image Scene Mode	Portrait, Soft Skin, Scenery, Panorama Shot, Sports, Night Portrait, Night Scenery, Hand Held Night Shot, HDR, Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Glass Through, Underwater, High Speed Video
	Continuous Shooting Mode	Full-Resolution Image: 10 frames/sec Max. 10 images with AF Tracking: 5 frames/sec, 2 frames/sec Max. 100 images Intelligent Burst Shooting High-speed Burst: approx. 40 frames/sec (recorded in 5M) approx. 60 frames/sec (recorded in 2.5M)
	Motion Picture Recording (**)	1920 x 1080 pixels, 60p (GPH: 28Mbps, PSH: 28Mbps / AVCHD) 1920 x 1080 pixels, 60i (GFS: 17Mbps, FSH: 17Mbps / AVCHD) 1280 x 720 pixels, 60p (GS: 17Mbps, SH: 17Mbps / AVCHD) 1920 x 1080 pixels, 30fps (FHD: 20Mbps / MP4) 1280 x 720 pixels, 30fps (HD: 10Mbps / MP4)
STD Video	640 x 480 pixels, 30fps (VGA: 4Mbps / MP4)	
	High Speed Video	320 x 240 pixels, 220fps (Motion JPEG)
Continuous recordable time (motion pictures)	AVCHD	approx. 55 min (GPH, PSH), 65 min (GFS, FSH)
	MP4	approx. 70 min (FHD)
Actual recordable time (motion pictures)	AVCHD	approx. 30 min (GPH, PSH), 35 min (GFS, FSH)
	MP4	approx. 40 min (FHD)
Exposure Parameters	Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
	Exposure Compensation	1/3 EV step, +/- 2 EV
	Auto (AE) Bracketing	1/3 -1EV step, Max +/-1EV, 3 frames
	Multi-Aspect	—
	Light Metering	Intelligent Multiple / Center Weighted / Spot
	ISO Sensitivity	Auto / i:ISO / 100 / 200 / 400 / 800 / 1600 / 3200 High Sensitivity Mode (ISO 1600-6400)

RECORDING (CONT.)			
Picture Quality	Still Picture Recording	1:1	3232 x 3232 (10.5M) / 2736 x 2736 (7.5M EZ) / 2304 x 2304 (5.5M EZ) / 1920 x 1920 (3.5M EZ) / 1536 x 1536 (2.5M EZ) / 480 x 480 (0.2M EZ)
		4:3	4320 x 3240 (14M) / 3648 x 2736 (10M EZ) / 3072 x 2304 (7M EZ) / 2560 x 1920 (5M EZ) / 2048 x 1536 (3M EZ) / 640 x 480 (0.3M EZ)
		3:2	4320 x 2880 (12.5M) / 3648 x 2432 (9M EZ) / 3072 x 2048 (6M EZ) / 2560 x 1712 (4.5M EZ) / 2048 x 1360 (2.5M EZ) / 640 x 424 (0.3M EZ)
		16:9	4320 x 2432 (10.5M) / 3648 x 2056 (7.5M EZ) / 3072 x 1728 (5.5M EZ) / 2560 x 1440 (3.5M EZ) / 1920 x 1080 (2M EZ) / 640 x 360 (0.2M EZ)
	Image Quality	Fine / Standard (3D Mode: MPO Fine / MPO Standard)	
	White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / White Set White Balance Adjustment	
Photo Style / Film Mode	—		
Color Mode / Color Effect / My Color	Color Mode: Standard, Black & White, Sepia, Vivid (in P / A / S / M Mode), Happy (only in iA Mode)		
Picture Adjustment	—		
Other	Digital Red-eye Correction (Red-eye Removal)	Yes	
	GPS	Yes	
	Wi-Fi	—	
	Zoom In Motion Picture	Yes	
	Self-timer	2sec / 10sec	
PLAYBACK			
Display	Playback Mode	Normal Playback, Slideshow, Filtering Playback (Picture Only, Video Only, 3D, GPS Area, Travel, Category, Favorites), Calendar Playback	
	Thumbnails / Zoomed Playback	12, 30-thumbnails / Yes (Touch Magnification)	
	Calendar Display / Dual-Image Playback	Yes / No	
	Set Favorites / Rotate Image	Yes / No	
	Show Histogram	Yes	
	Show Highlights	—	
	DPOF Print Setting / Set Protection	Yes / Yes	
Edit	Retouch	Creative Retouch / Auto Retouch	
	Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / No	
	Copy / Title Edit / Text Stamp	Yes / Yes / Yes	
	Cut Animation	Yes	
	Video Divide	Yes	
	PictBridge Support	Single / Multi / All / Favorites / DPOF	
SETUP			
OSD Language	Please refer to "OSD" Sheet		
OTHERS			
Monitor	LCD Monitor	3.0" (7.5cm) TFT Touch Screen LCD Display (460K dots), AR Coating Field of View: approx. 100% AUTO Power LCD Mode, Power LCD Mode	
Flash	Built-in-Flash	Auto, Auto / Red-eye Reduction, Forced On, Slow Sync. / Red-eye Reduction, Forced Off, 0.6-6.4m (Wide/ISO Auto), 1.0-3.3m (Tele/ISO Auto)	
Media	Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card	
	Built-in-Memory	Approx. 12MB	
Audio	Microphone / Speaker	Stereo / Mono	
Interface	Interface	mini HDMI, AV Output (NTSC), USB 2.0 High speed	
Power	Power	Li-ion Battery Pack (3.6V, Minimum: 895mAh) AC Adaptor (Input: 110-240V AC) (Included, connect with USB cable, playback only)	
	Battery Life (approx.)	260 pictures (CIPA Standard)*1	
	Included Software	LUMIX Map Tool PHOTOfunSTUDIO 8.1 Premium Edition Adobe Reader	
Standard Package	Standard Accessories	Please refer to "Accessories" Sheet	

*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 (32MB).
- 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.

- *2 — These are standard times taken at a temperature of 23°C (73.4°F) 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.