

# 2009 LUMIX® DMC-ZR1 Digital Camera



## Ultra Compact Zoom

LEICA DC VARIO ELMAR F3.3-5.9, 25mm Wide Angle, 8x Optical Zoom (25-200mm) in 26mm-thin ultra compact body



## Power O.I.S.

About twice as effective in compensating for blurring caused by low-frequency vibration



## Ultra High-Speed AF

Lightning fast 0.3sec AF for capturing scenes as they happen

- 25mm Ultra Wide Angle
- 12.1 Megapixel
- 8x Optical Zoom
- 2.7" Wide LCD
- LEICA DC Lens
- HD Movie
- Venus Engine V
- Intelligent Auto Mode



**LUMIX®**  
DIGITAL CAMERAS

**Panasonic**  
ideas for life

# 2009 LUMIX<sup>®</sup> DMC-ZR1 Digital Camera Specifications

		<b>DMC-ZR1</b>	
<b>METRICS</b>	Dimensions (W x H x D)	97.8 x 54.6 x 26.0 mm (3.85 x 2.14 x 1.02 in)	
	Weight	Approx. 138g (0.30 lb) Approx. 160g with Battery and SD Memory Card (0.35 lb)	
<b>OPTICS</b>	<b>Pixels</b>	Camera Effective Pixels	12.1 Megapixels
	<b>CCD</b>	Sensor Size / Total Pixels / Filter	1/2.33-inch / 12.7 Total Megapixels / Primary Color Filter
	<b>Lens</b>	Aperture	F3.3 - 5.9 / 2-Step (F3.3 - 10 (W) / F5.9 - 18 (T))
		Optical Zoom	8x
		Focal Length	f=4.5-36.0mm (25-200mm in 35mm equiv.)
		Extra Optical Zoom (EZ)	9.8x (4.3 / 8M), 12.5x (4.3 / 5M), 15.6x (under 3M)
		Lens	LEICA DC VARIO-ELMARIT 9 elements in 7 groups (4 Aspherical Lenses)
	<b>Focus</b>	2-Speed Zoom	-
		Optical Image Stabilizer	POWER O.I.S. (Auto / Mode1 / Mode2)
		Conversion lens Compatibility	-
Digital Zoom		4x (Max. 32.0 x combined with Optical Zoom without Extra Optical Zoom) / Max. 62.4x combined with Extra Optical Zoom	
Focusing Area		Normal: Wide 50cm - infinity Macro / Intelligent AUTO : Wide 3cm / Tele 100cm - infinity	
<b>Shutter</b>	Focus Range Display	Yes	
	AF Assist Lamp	Yes	
	Focus	Normal / Macro, Zoom macro	
<b>Finder</b>	AF Metering	Face / AF Tracking / Multi (11pt / 1pt HS / 1pt / Spot)	
	Shutter Speed	8-1/2000 sec: Starry Sky Mode : 15, 30, 60sec.	
<b>RECORDING</b>	<b>iA</b>	Face Recognition	Photo
		Optical Image Stabilizer	Photo & Movie
		Intelligent ISO Control	Photo
		Face Detection	Photo
		Intelligent Scene Selector	Photo (Portrait, Scenery, Night Portrait, Night Scenery, Macro)
	<b>File Interface</b>	Intelligent Exposure	Photo & Movie
		AF Tracking	Photo
		Digital Red Eye Correction	Photo
		iA Direct Button	-
		File Format	Still Image: JPEG (DCF / Exif2.21) Image with Audio: JPEG (DCF / Exif2.21) + QuickTime Motion picture: QuickTime Motion JPEG [Recording] / [Playback]
<b>Recording Modes</b>	Mode Dial / Mode Button	Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture, Clipboard	
	Still Image Scene Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery Panorama Assist(except for P/PC/PUPR version), Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Show, Aerial photo, Pinhole, Firm Grain, High Dynamic(Standard, Art, B&W), Photo Frame, Underwater(except for GK version)	
	Advanced Scene Mode	-	
	Movie Scene Mode	-	
	Continuous Shooting Mode	Full-Resolution Image, 2.3 frames/sec. Max. 5 images (Standard mode), Max. 3 images (Fine Mode) High-speed Burst Mode: approx. 10 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9)(Speed Priority) approx. 6 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9)(Image Priority)	
<b>Exposure Parameters</b>	Flash Burst Continuous Shooting Mode	Max. 5 images (Standard mode)	
	Motion Picture Recording	VGA: 640 x 480 pixels, 30fps (Motion JPEG) QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) WVGA: 848 x 480 pixels, 30 fps (Motion JPEG) 1280x720, 30fps (Motion JPEG)	
	Exposure	Program AE	
	Exposure Compensation	1/3 EV step, +/- 2 EV	
	Backlight Compensation	Yes (only in Intelligent AUTO mode)	
<b>Image Parameters</b>	Auto (AE) Bracketing	+/- 1/3 EV - 1EV step, 3 frames	
	Multi-Aspect	-	
	Light Metering	Intelligent Multiple	
	ISO Sensitivity	Auto / 80 / 100 / 200 / 400 / 800 / 1600 High Sensitivity (ISO 1600-6400)	
	Max Auto ISO Setting	-	
<b>Others</b>	Aspect Ratio	4:3 / 3:2 / 16:9	
	Still Picture Recording	4000 x 3000 (12M) / 3264x2448(8M EZ) / 2560 x 1920 (5M EZ) / 2048 x 1536 (3M EZ) / 1600 x 1200 (2M EZ) / 640 x 480 (0.3M EZ) 4000x2672 (10.5M) / 3264x2176 (7M EZ) / 2560 x 1712 (4.5M EZ) / 2048 x 1360 (2.5M EZ) 4000x2248 (6M) / 3264x1840 (3M EZ) / 2560 x 1440 (3.5M EZ) / 1920 x 1080 (2M EZ)	
	Image Quality	Fine / Standard	
	White Balance	Auto / Daylight / Cloudy / Shade / Halogen / White Set (Selectable at Portrait, Soft Skin, Self-Portrait, Transform, Sports, Baby, Pet, High Sensitivity, Highspeed Burst, Pinhole, Photo Frame, Underwater mode)(except for GK version)	
	Quick Menu	Yes	
	Color Mode / Color Effect	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	
	Still Image with Audio Recording	Yes	
	Audio Dubbing	Yes	
	Flip Animation	-	
	Real-time histogram	Yes	
<b>PLAYBACK</b>	Composition Guide line	Yes (2 pattern)	
	Auto Review	1sec, 2sec, Hold, Zoom	
	Review	-	
	Easy Zoom / Zoom Resume	Yes / No	
	Optical Zoom in Motion Picture	Yes	
	Macro Zoom	Yes	
	Orientation Detector	Yes	
	Scene Mode Help Screen	Yes	
	Self Timer	2sec / 10sec	
	Focus Icon Select	Yes	
<b>Delete</b>	Playback Mode	Normal Playback, Slideshow, Category Playback, Travel Playback, Favorites Playback	
	Easy Organization	-	
	Touch Zoom	-	
	Thumbnails / Zoomed Playback	12,30-thumbnails / Max 16x	
	Calendar Display / Dual-Image Playback	Yes / No	
<b>Edit</b>	Set Favorites / Rotate Image	Yes / No	
	Playback Still Images with Audio	Yes	
	Playback Motion Picture	Yes (Motion JPEG)	
	Slideshow Mode	All / Still Images Only / Motion Picture Only / Category / Travel / Favorites / BGM Effect (Natural / Slow / Swing / Urban / OFF)	
	Show Histogram	Yes	
<b>SETUP</b>	Show Highlights	-	
	Delete Image	Single / Multi / All / All except Favorites	
	DPOF Print Setting / Set Protection	Yes / Yes	
	Resize / Trim / Aspect Conv. / Leveling	Yes / Yes / No / Yes	
	Copy / Title Edit / Text Stamp	Yes / Yes / Yes	
<b>OTHERS</b>	Cut Animation	-	
	PictBridge Support	Single / Multi / All / Favorites / DPOF	
	OSD language	English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese (Traditional), Chinese (Simplified), Netherlandic, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Danish, Finnish	
	Travel Date / World Time	Yes / Yes	
	<b>Monitor</b>	LCD Monitor	2.7" TFT Screen LCD Display (230K dots) Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode
<b>Flash</b>	Built-in-Flash	Auto, Auto-Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off 0.6 - 5.3m (Wide/ISO Auto), 1.0 - 2.9m (Tele/ISO Auto)	
	External Flash	-	
<b>Media</b>	Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card	
	Built-in-Memory	Approx. 40MB	
<b>Audio</b>	Built-in-Microphone / Speaker	Mono / Yes	
	Interface	AV Output (NTSC/PAL)(except for P/PC/PUPR version), HD AV Output(component)(except for P/PC/PUPR version), USB2.0 High speed, DC Input	
<b>Power</b>	HDMI output	-	
	Power	ID Security Li-ion Battery Pack (3.6V, 895mAh) (Included) AC Adaptor (Input: 110-240V AC) (Optional)	
<b>Standard Package</b>	Battery Life (approx.)	330 pictures (CIPA Standard)	
	Included Software	PHOTOfunSTUDIO 4.0 ArcSoft (MediaImpression / Panorama Maker)(except for P/PC/PUPR version) QuickTime	
	Standard Accessories	Battery Charger, Battery Pack, Battery Case AV Cable(except for P/PC/PUPR version), USB Cable Hand Strap, CD-ROM	