

DMC-FZ38
Digital Camera

- _____ LUMIX Hybrid Super Zoom Digital Camera
- _____ HD Movie in AVCHD Lite and Creative Movie Mode
- _____ 18x Optical Zoom 27mm Wide-angle LEICA DC Lens in a Compact Body
- _____ POWER O.I.S. Hand-shake Blurring Compensation
- _____ Seamless Operation with Quick Start-up Time and Ultra High-speed AF
- _____ iA (Intelligent Auto) Mode with Face Recognition
- _____ Full Manual Operation with Smooth Joystick Control



Hybrid Super Zoom Camera FZ38 - From 18x Optical Zoom to 27mm Wide-angle for both Still and HD Motion Pictures

Optics

Camera Effective Pixels	12.1 Megapixels
Sensor Size / Total Pixels / Filter	1/2.33-inch / 12.7 Total Megapixels / Primary Colour Filter
Aperture	F2.8 - 4.4 / Multistage Iris Diaphragm (F2.8 - 8 (W) / F4.4 - 8 (T))
Optical Zoom	18x
Focal Length	f=4.8-86.4mm (27-486mm in 35mm equiv.)
Extra Optical Zoom (EZ)	22.1x (4:3 / 8M), 28.1x (4:3 / 5M), 35.2x (under 3M)
Lens	LEICA DC VARIO-ELMARIT 11 elements in 8 groups (3 Aspherical Lenses / 2 ED lenses)
2-Speed Zoom	Yes
Optical Image Stabilizer	Power O.I.S. (Auto / Mode1 / Mode2)
Conversion lens Compatibility	Yes
Digital Zoom	4x (Max. 72.0 x combined with Optical Zoom without Extra Optical Zoom) (Max.140.8x combined with Extra Optical Zoom)
Focusing Area	Normal: Wide 30cm - infinity Macro / Intelligent AUTO : Wide 1cm / 200 cm (MAX) / 100 cm (11x - 18x) - infinity
Focus Range Display	Yes
AF Assist Lamp	Yes

Focus



Award
2009-07-27T09:07:00
DMC-FZ38, Photography Blog, Highly Recommended, July 2009



Award
2009-07-29T09:56:00
DMC-FZ38, Trusted Reviews (Online), Editor's Choice, July 2009

Normal / Macro, Zoom Macro, Quick AF On/Off (On in Intelligent Auto), Continuous AF On/Off AF/MF Switchable, Manual Focus(Joystick), One Shot AF, AF Area Select, AF Tracking



Award

2009-09-29T13:43:00

DMC-FZ38, Camera Labs, Highly Recommended Award, September 2009

AF Metering	Face / AF Tracking / Multi (11pt) / 1pt HS / 1pt / Spot
Shutter Speed	Still: 60 - 1/2000 sec Creative Movie Mode : 1/30 - 1/20,000 sec (1/8 - 1/20,000 sec on MF operation on Manual mode)
Shutter Interval	0.9 sec
Viewfinder	0.20" Color EVF (201.6K Pixels equiv.), Field of View : approx. 100%, Lens 19.6x



Award

2009-12-01T11:19:00

DMC-FZ38, T3 Magazine, Test Winner Award, December 2009

Recording

Face Recognition	Photo
Optical Image Stabilizer	Photo & Movie
Intelligent ISO Control	Photo
Face Detection	Photo & Movie
Intelligent Scene Selector	Photo (Portrait, Scenery, Night Portrait, Night Scenery, Macro) & Movie (Portrait, Scenery, Low Light, Macro)
Intelligent Exposure	Photo & Movie
AF Tracking	Photo
Digital Red Eye Correction	Photo
File Format	Still Image: JPEG(DCF/Exif2.21) / RAW Motion picture: AVCHD Lite /QuickTime Motion JPEG
Mode Switch	[Recording] / [Playback]
Mode Button	Intelligent AUTO, P(Program) mode, A(Aperture Priority) mode, S(Shutter Priority) mode, M(Manual) mode, Creative Movie mode, Portrait mode, Scenery mode, Sports mode, Night Portrait mode, Close-up mode, Scene mode, My Color mode, Custom
Still Image Scene Mode	Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Panning, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Dynamic(Standard, Art, B&W), Photo Frame, Panorama Assist
Advanced Scene Mode	Portrait mode : Normal, Soft Skin, Outdoor, Indoor, Creative Scenery mode : Normal, Nature, Architecture, Creative Sports mode : Normal, Outdoor, Indoor, Creative Close-up: Flower, Food, Objects, Creative Night Portrait : Night Portrait, Night Scenery, Illuminations, Creative
Movie Scene Mode	Portrait, Scenery, Low Light, Flower, Intelligent AUTO, Soft Skin, Food, Objects, Party, Candle Light, Sunset, High Sensitivity, Panning, Beach, Snow, Aerial Photo, Pinhole, High Dynamic(Standard, Art, B&W), Film Grain, Creative Movie(P, S, A, M) 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)
Flash Burst Continuous Shooting Mode	Max. 5 images (Standard mode)
Motion Picture Recording	[4:3] VGA: 640 x 480 pixels, 30fps (Motion JPEG) QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) [16:9] WVGA: 848 x 480 pixels, 30 fps (Motion JPEG)



CGR-S006E/1B



DMW-LT55E



DMW-LPL46E



DMW-LC55E

[HD Movie] 1280x720, NTSC Mode: NTSC model: 60p(CCD output is 30p) / PAL model: 50p(CCD output is 25p) (AVCHD Lite, SH: 17Mbps / H:13Mbps / L:9Mbps) / 30fps (Motion JPEG)

MOTION JPEG with picture quality set to [HD] (Actual recordable time)	Approx. 80 min*2
AVCHD Lite with picture quality set to [SH] (Actual recordable time)	Approx. 80 min*2
MOTION JPEG with picture quality set to [HD] (Continuous recordable time)	Approx. 150 min*2
AVCHD Lite with picture quality set to [SH] (Continuous recordable time)	Approx. 150 min*2
Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Program Shift(Program AE mode)
Exposure Compensation	1/3 EV step, +/-2 EV
Backlight Compensation	Yes (only in Intelligent AUTO mode)
Auto (AE) Bracketing	+/- 1/3 EV ~1EV step, 3 frames
Light Metering	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity	Auto / 80 / 100 / 200 / 400 / 800 / 1600 High Sensitivity (ISO 1600-6400)
Max Auto ISO Setting	Yes
Aspect Ratio	4:3 / 3:2 / 16:9
Still Picture Recording	[4:3] 4000x3000(12M) / 3264x2448(8M EZ) / 2560x1920(5M EZ) / 2048x1536(3M EZ) / 1600x1200(2M EZ) / 640x480(0.3M EZ) [3:2] 4000 x 2672(10.5M) / 3264 x 2176 (7M EZ) / 2560 x 1712 (4.5M EZ) / 2048 x 1360 (2.5M EZ) [16:9] 4000 x 2248(9M) / 3264 x 1840 (6M EZ) / 2560 x 1440 (3.5M EZ) / 1920 x 1080 (2M EZ)
Image Quality	Fine / Standard / RAW / RAW+JPEG
White Balance	Auto / Daylight / Cloudy / Shade / Flash / Halogen / Color Temperature / White Set 1 / White Set 2 (Selectable at Portrait, Soft Skin, Sports, Baby, Pet, High Sensitivity, Hi-Speed Burst, Pinhole, Panorama Assist mode) White Balance Adjustment (2-axis adjustable, ±9steps each, Blue/Amber and Magenta/Green bias)
Quick Menu	Yes
Colour Effect	Black & White, Sepia, Cool, Warm
Picture Adjustment	Contrast ±2steps Sharpness ±2steps Saturation ±2steps Noise Reduction ±2steps (can be adjusted in Film Mode)
Real-time histogram	Yes
Composition Guide line	Yes (2 pattern)
Auto Review	1sec, 2sec, Hold, Zoom
Review	Yes
Easy Zoom / Zoom Resume	No / Yes
Optical Zoom in Motion Picture	Yes
Macro Zoom	Yes



DMW-LA3E



DMW-CZS7



DMW-CZS7E



DMW-CZS7K



DMW-CZ18E



DMW-CZ18K



RP-CDHM15E-K



RP-CDHM30E-K

Orientation Detector	Yes
Scene Mode Help Screen	Yes
Self Timer	2sec / 10sec / 10sec[3 pictures]
Focus Icon Select	Yes (in Face Recognition only)

Playback

Playback Mode	Normal Playback, Slideshow, Category Playback, Favorites Playback, Mode Play
Thumbnails / Zoomed Playback	12,30-thumbnails / Max 16x
Calendar Display / Dual-Image Playback	Yes / No
Set Favorites / Rotate Image	Yes / No
Playback Motion Picture	Yes (AVCHD Lite / Motion JPEG)
Slideshow Mode	All / Still Images Only / Motion Picture Only / Category / Favorites BGM Effect (Natural / Slow / Swing / Urban / OFF)
Show Histogram	Yes
Show Highlights	Yes
Delete Image	Single / Multi / All / All except Favourites
DPOF Print Setting / Set Protection	Yes / Yes
Resize / Trim / Aspect Conv. / Leveling	Yes / Yes / No / Yes
Copy / Title Edit/ Text Stamp	Yes / Yes / Yes
PictBridge Support	Single / Multi / All / Favourites / DPOF

Setup

OSD language	Japanese, English, German, French, Italian, Spanish
HDMI Output	Video: Auto / 1080i / 720p / 480p(576p for PAL) Audio: Dolby® Digital Stereo Creator
Travel Date / World Time	Yes / Yes

Others

LCD Monitor	2.7" TFT Screen LCD Display (230K dots) Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode
Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off, Flash Synchro; 1st / 2nd 0.3 - 8.5m (Wide/ISO Auto), 1.0 - 5.4m (Tele/ISO Auto)
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card
Built-in-Memory	Approx. 40MB
Microphone / Speaker	Stereo(Dolby® Digital Stereo Creator) / Yes
Interface	AV Output (NTSC/PAL, NTSC only for N. America), mini HDMI, USB2.0 High speed, DC Input
Viera Link	yes
HDMI output	Video: Auto / 1080i / 720p / 480p(576p for PAL) Audio: Dolby® Digital Stereo Creator

General

Power	Li-ion Battery Pack (7.2 V, Typical: 710 mAh / Minimum: 695 mAh) (Included) AC Adaptor (Input: 110-240V AC) (Optional)
Battery life (approx.)	470 pictures (CIPA Standard)
Included Software	PHOTOfunSTUDIO 4.0 HD Edition ArcSoft (MediaImpression / Panorama Maker) SILKYPIX® Developer Studio 3.0 SE QuickTime
Standard Accessories	Battery Charger, Battery Pack, AV Cable, USB Cable, Shoulder Strap, CD-ROM, Lens hood, Lens hood adaptor, Lens cap, Lens cap string
Dimensions(W x H x D)	117.6 x 75.8 x 88.9 mm (4.63 x 2.98 x 3.50 in)
Weight	Approx. 367g (0.81 lb) Approx. 414g with Battery and SD Memory Card (0.91 lb)
NOTE	<p>*1 Recording conditions by CIPA standard CIPA is an abbreviation of [Camera & Imaging Products Association]. Temperature: 23 oC (73.4 oF)/Humidity: 50% 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 [AUTO].) 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.</p> <p>*2 These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%. 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. Motion picture recorded continuously in [MOTION JPEG] is up to 2 GB. Only the maximum recordable time for 2 GB is displayed on the screen. Motion pictures can be recorded continuously for up to 29 minutes 59 seconds in European PAL area.</p>