



LUMIX Digital Camera DMC-FZ300

NOTE		<p>*1 Recording conditions by CIPA standard</p> <ul style="list-style-type: none"> - Temperature: 23 oC (73.4 oF) / Humidity: 50%RH when monitor is on. - Using a Panasonic SDHC Memory Card - 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. - The number of recordable pictures varies depending on the recording interval time. - If the recording interval time becomes longer, the number of recordable pictures decreases. - CIPA is an abbreviation of [Camera & Imaging Products Association]. <p>*2</p> <ul style="list-style-type: none"> - 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. - Use a card with SD Speed Class with "Class 4" or higher when recording motion pictures. - Use a card with SD Speed Class with "UHS-I Speed Class 3 (U3)" when recording motion pictures with [MP4] in [4K] or [4K PHOTO]. <p>(SD speed class is the speed standard regarding continuous writing.)</p> <ul style="list-style-type: none"> - Maximum time to record motion pictures continuously with [MP4] in [4K] is 29 minutes 59 seconds. - Maximum time to record motion pictures continuously with [MP4] in [FHD] [HD] [VGA] is 29 minutes 59 seconds or up to 4 GB. - Maximum time to record High Speed motion pictures continuously is 7 minutes 29 seconds. <p>*3</p> <p>For [4K] video output, use an HDMI cable that has the HDMI logo on it, and that is described as "4K compatible".</p>	
Metrics	Dimensions (W x H x D)	131.6 x 91.5 x 117.1 mm (5.18 x 3.60 x 4.61 inch)	
	Weight	Approx. 691 g with Battery and SD Memory Card (1.52 lb) Approx. 640 g without Battery and SD Memory Card (1.41 lb)	
Optics	Pixels	Camera Effective Pixels 12.1 Megapixels	
	Sensor	Sensor Size / Total Pixels / Filter 1/2.3-inch High Sensitivity MOS Sensor / 12.8 Total Megapixels / Primary Color Filter	
	Lens	Aperture	F2.8 / Multistage Iris Diaphragm (Still Image: F2.8 - 8.0, Motion Picture: F2.8 - 11.0)
		Optical Zoom	24x
	Focal Length	f = 4.5 - 108mm (25 - 600mm in 35mm equiv. in 4:3) (26 - 624mm in 35mm equiv. in 3:2) (27 - 648mm in 35mm equiv. in 16:9) (30 - 720mm in 35mm equiv. in 1:1) (28 - 672mm in 35mm equiv. in 4:3 4K Photo recording) (27 - 648mm in 35mm equiv. in 3:2 4K Photo recording) (27 - 648mm in 35mm equiv. in 16:9 4K Photo recording)	

		(30 - 720mm in 35mm equiv. in 1:1 4K Photo recording) (27 - 648mm in 35mm equiv. in 16:9 video recording / O.I.S. Off / Level Shot function Off) (30 - 720mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function Off) (30 - 720mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function On) (27 - 648mm in 35mm equiv. in 4K video recording)	
	Extra Optical Zoom (EZ)	29.4x (4:3 / 8M (M)), 46.9x (4:3 / 3M (S))	
	Intelligent Zoom	48x	
	Lens	LEICA DC VARIO-ELMARIT 14 elements in 11 groups (5 Aspherical Lenses / 9 Aspherical surfaces / 3 ED Lenses / 1 Nano Surface Coating Lens)	
	Changing of Zoom Speed	2-Speed Zoom	
	Optical Image Stabilizer	5-Axis HYBRID O.I.S. +* * 5-Axis compensation works in video recording except for 4K video or high-speed video recording.	
	Digital Zoom	Max. 4x (When Digital Zoom is used simultaneously with Intelligent Zoom, you can only increase the zoom ratio up to 2x.)	
	Conversion Lens Compatibility	Yes	
Focus	Focusing Area	Normal: Wide 30 cm - infinity / Tele 200 cm - infinity AF Macro / MF / Intelligent Auto / Motion Picture: Wide 1 cm - infinity / Tele 100 cm - infinity	
	AF Assist Lamp	Yes (On / Off)	
	Focus	AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF Normal / AF Macro / Macro Zoom, Quick AF, Continuous AF (during motion picture recording), Eye Sensor AF, Touch AF/AE Function, Touch Shutter, Touch Pad AF, MF Assist, Touch MF Assist, AF+MF, Focus Peaking, One Shot AF (Set the Fn button in custom menu to AF-ON), Low Light AF, Starlight AF, AF/AE Lock Button	
	AF Metering	Face/Eye Detection / Tracking / 49-area / Custom Multi / 1-area / Pinpoint (Full area touch is available)	
Shutter	Shutter Speed	Still Image: Approx. 60 - 1/4,000 sec (Mechanical Shutter) Approx. 1 - 1/16,000 sec (Electronic Shutter) Bulb (Approx. 60 sec) Motion Picture: Approx. 1/25 - 1/16,000 sec (in 24p recording) Approx. 1/2 - 1/16,000 sec (Creative Video M Mode / MF Mode)	
Recording	Finder	Viewfinder	0.39" OLED LVF (Live View Finder) (1440k dots), Field of View: Approx. 100%, Magnification: Approx. 3.88x / 0.7x (35mm equiv.), Eye Sensor
	File	File Format	Still Image: JPEG (DCF/Exif2.3) / RAW, DPOF Motion Picture: AVCHD, MP4
	Recording Modes	Mode Dial / Mode Button	Intelligent Auto, P, A, S, M, Creative Video, C (Custom), Panotama Shot, Scene Guide, Creative Control
		Creative Control mode	Expressive, Retro, Old Days, High Key, Low Key, Sepia, Monochrome, Dynamic Monochrome, Rough Monochrome, Silky Monochrome, Impressive Art, High Dynamic, Cross Process, Toy Effect, Toy Pop,

		Bleach Bypass, Miniature Effect, Soft Focus, Fantasy, Star Filter, One Point Color, Sunshine (22 filters)
	Still Image Scene Guide	Clear Portrait, Silky Skin, Backlit Softness, Clear in Backlight, Relaxing Tone, Sweet Child's Face, Distinct Scenery, Bright Blue Sky, Romantic Sunset Glow, Vivid Sunset Glow, Glistening Water, Clear Nightscape, Cool Night Sky, Warm Glowing Nightscape, Artistic Nightscape, Glittering Illuminations, Handheld Night Shot, Clear Night Portrait, Soft Image of a Flower, Appetizing Food, Cute Dessert, Freeze Animal Motion, Clear Sports Shot, Monochrome
	Continuous Shooting Mode (Approx.)	[AFS] SH: 60 frames/sec*, H: 12 frames/sec, M: 6 frames/sec (with Live View), L: 2 frames/sec (with Live View) [AFC] H: 6 frames/sec, M: 6 frames/sec (with Live View), L: 2 frames/sec (with Live View) * Electronic shutter only.
	4K Photo Mode (*2)	4K Burst: 30 frames/sec, max. 29 min 59 sec 4K Burst (S/S): 30 frames/sec, max. 29 min 59 sec 4K Pre-Burst: 30 frames/sec, approx. 2 sec (Depending on memory card size and battery power) Exif Information: Yes Selectable Aspect Ratio: Yes (4:3 / 3:2 / 16:9 / 1:1 are selectable) Exposure Mode: Program AE / Aperture Priority AE / Shutter Priority AE / Manual Marking Function: Yes (in 4K Burst (S/S) mode)
Motion Picture Recording (*2)	4K Video	3840 x 2160 pixels, 25p (4K: 100Mbps / MP4) (Sensor Output is 25fps) (AAC) 3840 x 2160 pixels, 24p (4K: 100Mbps / MP4) (Sensor Output is 24fps) (AAC)
	HD Video	1920 x 1080 pixels, 50p (FHD: 28Mbps / AVCHD) (Sensor Output is 50fps) (Dolby) 1920 x 1080 pixels, 24p (FHD: 24Mbps / AVCHD) (Sensor Output is 24fps) (Dolby) 1920 x 1080 pixels, 50i (FHD: 24Mbps / AVCHD) (Sensor Output is 25fps) (Dolby) 1920 x 1080 pixels, 50i (FHD: 17Mbps / AVCHD) (Sensor Output is 50fps) (Dolby) 1920 x 1080 pixels, 50p (FHD: 28Mbps / MP4) (Sensor Output is 50fps) (AAC) 1920 x 1080 pixels, 25p (FHD: 20Mbps / MP4) (Sensor Output is 25fps) (AAC) 1280 x 720 pixels, 25p (HD: 10Mbps / MP4) (Sensor Output is 25fps) (AAC)
	STD Video	640 x 480, 25p (VGA: 4Mbps / MP4) (Sensor Output is 25fps) (AAC)
	High Speed Video	1280 x 720 pixels, 25p (HD: MP4) (Sensor Output is 100fps) 640 x 480 pixels, 25p (VGA: MP4) (Sensor Output is 200fps)
Continuous recordable time (motion pictures)	AVCHD	FHD/50p: Approx. 170 min (rear monitor), 165 min (LVF) FHD/50i: Approx. 175 min (rear monitor), 170 min (LVF)
	MP4	4K/25p: Approx. 135 min (rear monitor), 130 min (LVF) FHD/50p: Approx. 170 min (rear monitor), 165 min (LVF)
Actual recordable time (motion pictures)	AVCHD	FHD/50p: Approx. 85 min (rear monitor), 80 min (LVF) FHD/50i: Approx. 85 min (rear monitor), 85 min (LVF)
	MP4	4K/25p: Approx. 65 min (rear monitor), 65 min (LVF) FHD/50p: Approx. 85 min (rear monitor), 80 min (LVF)
Exposure Parameters	Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
	Exposure Compensation	1/3 EV step, +/-3 EV
	Auto (AE) Bracketing	3, 5, 7 frames in 1/3, 2/3 or 1 EV Step, Max. +/-3 EV
	Light Metering	Intelligent Multiple / Center Weighted / Spot
	ISO	Still Image: Auto / i.ISO / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400

		Sensitivity	Motion Picture: Auto / 100 / 200 / 400 / 800 / 1600 / 3200/ 6400 (Changeable to 1/3 EV step)
Picture Quality	Still Picture Recording		[4:3] 4000x3000 (12M) (L) / 3264x2448 (8M) (M) / 2048x1536 (3M) (S) [3:2] 4000x2672 (10.5M) (L) / 3264x2176 (7M) (M) / 2048x1360 (2.5M) (S) [16:9]4000x2248 (9M) (L) / 3840x2160 (8M) (M) / 1920x1080 (2M) (S) [1:1] 2992x2992 (9M) (L) / 2448x2448 (6M) (M) / 1920x1920 (3.5M) (S)
		Image Quality	RAW / RAW+Fine / RAW+Standard / Fine / Standard
		White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / Flash / White Set1 / White Set2 / White Set3 / White Set4 / Color Temperature (2-axis Adjustable)
		Photo Style	Standard, Vivid, Natural, Monochrome, Scenery, Portrait, Custom, Cinelike D*, Cinelike V* * When Creative Video mode is selected.
		Picture Adjustment	Contrast, Sharpness, Noise Reduction, Saturation*, Color Tone**, Filter Effect** * Except for Monochrome mode. ** For Monochrome mode only.
		Aspect Bracketing	-
Other	Digital Red Eye Correction (Red-Eye Removal)	Yes (On / Off)	
	GPS	-	
	Wi-Fi	IEEE 802.11b/g/n 2412 MHz - 2462 MHz (1-11 ch) WPA / WPA2 Infrastructure Mode / WPS	
	NFC	-	
	Zoom in Motion Picture	Yes	
	Self Timer	2 sec / 10 sec / 10 sec (3 images)	
	Self Shot Mode	No	
Playback	Display	Playback Mode	All, Slideshow, Filtering Play (Picture Only, Video Only, 4K PHOTO, Category Selection, Favorite), Calendar
		Thumbnails / Zoomed Playback	12,30-thumbnails / Yes
		Set Favorites / Rotate Image	Yes / Yes
		Show Histogram/ Show Highlights	Yes / Yes

		DPOF Print Setting / Set Protection	Yes / Yes
Edit		Retouch	No
		RAW Processing	Yes
		Resize/ Cropping	Yes / Yes
		Copy / Title Edit / Text Stamp	No / Yes / Yes
		Video Divide	Yes
		Creating Still Pictures from a Motion Picture	Yes
		PictBridge Support	Single / Multi / All / DPOF / Favorites
Setup		OSD language	Japanese, English, German, French, Italian, Spanish, Chinese (Traditional), Chinese (Simplified)
Others	Monitor	LCD Monitor	3.0" (7.5cm) Free-Angle TFT Screen LCD Display (1040k dots), AR Coating Field of View: Approx. 100%, Wide Viewing-angle
	Flash	Built-in-Flash	Auto*, Auto/Red-eye Reduction*, Forced On, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced Off * For iA, iA+ mode only. Flash Synchro: 1st / 2nd Slow Sync. Synchronization for flash dimming and exposure compensation 0.3 - 8.8m (Wide / ISO Auto), 1.0 - 8.8m (Tele / ISO Auto)
	Media	Recording Media	SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I standard)
		Built-in-Memory	-
	Audio	Microphone / Speaker	Stereo / Mono
	Interface	Interface	microHDMI (*3), AV Output (PAL / NTSC), USB (AV/USB Multi)
		Remote Input	φ2.5mm for Remote
		External Microphone Input	φ3.5mm for External Microphone
	Power	Power	Li-ion Battery Pack (7.2V, 1200mAh, 8.7 Wh) (Included) AC Adaptor (Input: 110 - 240V AC)
		Battery life (approx.)	380 pictures (rear monitor) / 360 pictures (LVF) (CIPA Standard) (*1)

Standard Package	Included Software	PHOTOfunSTUDIO 9.7PE SILKYPIX Developer Studio 4.3SE LoiLoScope (trial version) Adobe Reader
	Standard Accessories	Battery Charger, Battery Pack, USB Cable, Lens Hood, Lens Cap, Lens Cap String, Shoulder Strap, DVD

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