



Tough Compact Camera - LUMIX DMC-FT30

Metrics	Dimensions (W x H x D)	103.7 x 58.3 x 19.7 mm/(4.08 x 2.30 x 0.77 inch)
	Weight	Approx. 125g without Battery and SD Memory Card (0.28 lb)/Approx. 144g with Battery and SD Memory Card (0.32 lb)
Pixels	Camera Effective Pixels	16.1 Megapixels
Sensor	Sensor Size / Total Pixels / Filter	1/2.33-type CCD Sensor / 16.6 Total Megapixels / Primary Color Filter
	Aperture	F3.9 - 5.7 / 2-step (F3.9 / 9.0(W), F5.7 / 13.0(T))
Lens	Optical Zoom	4x
	Focal Length	f=4.5 - 18.0mm (25 - 100mm in 35mm equiv.)/(29-108mm in 35mm equiv. in video recording)
	Extra Optical Zoom (EZ)	5.1x (4:3 / 10M), 7.2x (4:3 / 5M), 9.0x (under 3M)
	Intelligent Zoom	8x
	Lens	LUMIX DC VARIO/11 elements in 10 groups/(5 Aspherical Lenses / 9 Aspherical surfaces / 1 ED Lens)
	2- Speed Zoom	-
	Optical Image Stabilizer/Five Axis Correction	MEGA O.I.S. (On with Active Mode (Only for Motion Picture) /Off) / No
	Digital Zoom	Max. 4x
	Conversion Lens Compatibility	-
	Focusing Area	Normal: Wide 50 cm - infinity / Tele 100 cm - infinity/]Macro / Intelligent AUTO/ motion picture: Wide 5 cm - infinity / Tele 100cm - infinity
Focus	AF Assist Lamp	Yes (On/Off), LED light in motion picture
	Focus	Normal, AF Macro, Macro Zoom/Quick AF (Always On), Continuous AF(only for motion picture)/AF Tracking
	AF Metering	Face / AF Tracking / 23-Area / 1-Area / Spot
Shutter	Shutter Speed	approx. 8 - 1/1300 sec/15sec / 30sec / 60sec in Sarry Sky mode
Finder	Viewfinder	-
File	File Format	Still Image: JPEG(DCF/Exif2.3), DPOF/Motion picture: MP4
Recording Modes	Mode Dial / Mode	Intelligent AUTO, Normal Picture, Creative Control, Sports, Snow, Beach&Surf,

	Button	Advanced Underwater,/Panorama Shot, SCN
	Creative Control mode	Expressive, Retro, High Key, Low Key, Sepia, Dynamic Monochrome, Impressive Art, High Dynamic, Cross Process, Toy Effect, Miniature Effect, One Point Color
	Still Image Scene Mode	Portrait, Soft Skin, Scenery, Night Portrait, Night Scenery, Food, Baby1, Baby2, Pet, Sunset, High Sensitivity, Starry Sky, Glass Through
	Continuous Shooting Mode	Full-Resolution Image, approx. 1.3 frames/sec/High-speed Burst Mode: approx. 8 frames/sec/(recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1)/Flash burst shooting
Motion Picture Recording (*2)	HD Video	1280 x 720 pixels, 25 fps (HD: 10Mbps / MP4)
	STD Video	640 x 480 pixels, 25 fps (VGA: 4Mbps / MP4)
	High Speed Video	-
Continuous recordable time (motion pictures)	AVCHD	-
	MP4	approx. 100 min (HD)
Actual recordable time (motion pictures)	AVCHD	-
	MP4	approx. 50 min (HD)
Exposure Parameters	Exposure	Auto(Program AE)
	Exposure Compensation	1/3 EV step, +/-2 EV
	Auto (AE) Bracketing	1/3 -1EV step, Max +/-1EV, 3 frames
	Light Metering	Intelligent Multiple
	ISO Sensitivity	I.ISO / 100 / 200 / 400 / 800 / 1600/High Sensitivity mode (ISO 1600-6400)
	Still Picture Recording	[4:3] 4608x3456 (16M) / 3648x2736 (10M EZ) / 2560x1920 (5M EZ) / 2048x1536 (3M EZ) / 1280x960 (1M EZ) /640x480 (0.3M EZ)/[3:2] 4608x3072 (14M)/[16:9] 4608x2592 (12M)/[1:1] 3456x3456 (12M)
	Image Quality	-
	White Balance	Auto / Daylight / Cloudy / Shade / Incandescent / White Set
Picture Quality	Photo Style / Film Mode	-
	Color Mode / Color Effect / My color	Color Mode : Standard, Black&White, Sepia, Vivid(Normal only), Happy (only in iA Mode)
	Picture Adjustment	-
	Aspect Bracketing	-
Other	Digital Red Eye Correction (Red-Eye Removal)	Yes (On/Off)

	GPS	-
	Wi-Fi	-
	NFC	-
	Zoom in Motion Picture	Yes
	Self Timer	2 sec / 10 sec
	Self Shot Mode	-
	Playback Mode	All,, Slideshow, Filtering Play (Picture Only, Video Only, Category Selection, Select Date, Favorites), Calendar
	Thumbnails / Zoomed Playback	12,30-thumbnails / Yes
Display	Calendar Display / Dual- Image Playback	Yes / No
	Set Favorites / Rotate Image	Yes / No
	Show Histogram	-
	Show Highlights	-
	DPOF Print Setting / Set Protection	Yes / Yes
	Retouch	Creative Retouch / Auto Retouch / Color Reproduction
	Resize / Cropping / Aspect Conv. / Leveling	Yes / Yes / No / No
Edit	Copy / Title Edit / Text Stamp	Yes / No / Yes
	Cut Animation	-
	Video Divide	Yes
	PictBridge Support	Single / Multi / All / Favorites / DPOF
Setup	OSD language	Japanese, English, German, French, Italian, Spanish
Monitor	LCD Monitor	6.75cm (2.7") TFT Screen LCD Display (230K dots)/Field of View : approx. 100%/AUTO Power Monitor mode, Power Monitor mode, High Angle mode
Flash	Built-in- Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off,0.3 - 4.4m (Wide / i.ISO), 1.0 - 3.0m (Tele/ i.ISO)
Media	Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
	Built-in- Memory	Approx.220MB
Audio	Microphone / Speaker	Mono / Mono

Interface	Interface	AV Output (PAL/NTSC), USB(AV/USB Multi)
	Power	Li-ion Battery Pack (3.6V / 680mAh / 2.5Wh)/AC Adaptor (Input: 110-240V AC) (Optional)
Standard Package	Battery life (approx.)	250 pictures (CIPA Standard)*1
	Included Software	PHOTOfunSTUDIO 9.0 SE
	Standard Accessories	Battery Pack, Battery Charger, AC Cable, USB Cable, Hand Strap, CD-ROM
	NOTE	*1
	NOTE	Recording conditions by CIPA standard
	NOTE	- CIPA is an abbreviation of [Camera & Imaging Products Association].
	NOTE	- Temperature: 23 oC (73.4 oF)/Humidity: 50%RH when LCD monitor is on.
	NOTE	- Using a Panasonic SD Memory Card (32 MB).
	NOTE	- Using the supplied battery.
	NOTE	- Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [ON].)
	NOTE	- Recording once every 30 seconds with full flash every second recording.
	NOTE	- Rotating the zoom lever from Tele to Wide or vice versa in every recording.
	NOTE	- Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases.
	NOTE	*2
	NOTE	- These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%RH.
	NOTE	- The time available for recording varies depending on the environment, the interval between recordings, and the manner of use.
	NOTE	- 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.
	NOTE	- Use a card with SD Speed Class with "Class 4" or higher when recording motion pictures.
	NOTE	SD speed class is the speed standard regarding continuous writing.
	NOTE	- Maximum time to record motion pictures continuously with [MP4] is 29 minutes 59 seconds or up to 4 GB.