



LUMIX FZ82D Camera DC-FZ82D

Metrics

Dimensions (W x H x D)	130.2 x 94.3 x 125.2 mm (5.13 x 3.71 x 4.93 inch)
Weight	Approx. 596 g with Battery and SD Memory Card (1.31 lb) Approx. 640 g without Battery and SD Memory Card (1.41 lb)

Optics

Pixels	Camera Effective Pixels	18.1 Megapixels
Sensor	Sensor Size / Total Pixels / Filter	1/2.3-type High Sensitivity MOS Sensor / 18.9 Total Megapixels / Primary Color Filter
Lens	Aperture	F2.8 - 5.9 / Multistage Iris Diaphragm (F2.8 - 8.0 (W), F5.9 - 8.0 (T))
	Optical Zoom	60x
	Focal Length	f = 3.58 - 215mm (20 - 1200mm in 35mm equiv. in 4:3) (21 - 1260mm in 35mm equiv. in 3:2) (22 - 1320mm in 35mm equiv. in 16:9) (23 - 1380mm in 35mm equiv. in 1:1) (28 - 1680mm in 35mm equiv. in 4K PHOTO recording) (28 - 1680mm in 35mm equiv. in 4K video recording) (22 - 1320mm in 35mm equiv. in FHD / HD video recording)
	Extra Optical Zoom (EZ)	84x (4:3 / 9M (M)), 122x (4:3 / 4.5M (S))
	Intelligent Zoom	120x
	Lens	LUMIX DC VARIO 14 elements in 12 groups (6 aspherical lenses / 9 aspherical surfaces / 3 ED lenses)
	Optical Image Stabilizer	POWER O.I.S. (On with Active Mode (only for motion picture) / Off)
	Digital Zoom	Max. 4x (When Digital Zoom is used simultaneously with Intelligent Zoom, you can only increase the zoom ratio up to 2x.)
	Filter Size	ø55mm
	Conversion Lens Compatibility	DMW-LT55 (sold separately). Requires Lens Adaptor DMW-LA8 (sold separately) for attachment.
Focus	Focusing Area	Normal: Wide 30 cm - infinity / Tele 150 cm - infinity AF Macro / MF / Intelligent Auto / Motion Picture: Wide 1 cm - infinity / Tele 150 cm - infinity
	AF Assist Lamp	Yes (On / Off)



	Focus	AF* / AF Macro* / Macro Zoom* / MF *Each available with AFS (Single) / AFF (Flexible) / AFC (Continuous) Quick AF, Continuous AF (during motion picture recording), Touch AF/AE Function, Touch Pad AF, Touch Shutter, 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
	Post Focus	Yes
	Focus Stacking	Yes
	AF Metering	Face/Eye Detection / Tracking / 49-area / Custom Multi / 1-area / Pinpoint (Full area touch is available)
Shutter	Shutter Speed	Still Image: Approx. 4 - 1/2,000 sec (Mechanical Shutter) Approx. 1 - 1/16,000 sec (Electronic Shutter) Artistic Nightscape (Approx. 60 sec) Motion Picture: Approx. 1/25 - 1/16,000 sec Approx. 1/2 - 1/16,000 sec (Creative Video M Mode / MF Mode)

Recording

File	File Format	Still Image: JPEG (DCF/Exif2.3) / RAW Motion Picture: AVCHD Progressive, AVCHD, MP4
Recording Modes	Mode Dial	Intelligent Auto, P, A, S, M, Creative Video, Custom 1, Custom 2, 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] H: 10 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)
	Number of Recordable Images	H: RAW+JPEG: Max. 13 images, JPEG: Max. 41 images M: RAW+JPEG: Max. 13 images, JPEG: Max. 80 images L: RAW+JPEG: Max. 13 images, JPEG: Max. 100 images
	4K Photo Mode (*2)	4K Burst: 30 frames/sec, max. 15 min 4K Burst (S/S): 30 frames/sec, max. 15 min 4K Pre-Burst: 30 frames/sec, approx. 2 sec (Depending on memory card size and battery power) Exif Information: Yes Marking Function: Yes (in 4K Burst (S/S) mode)
	Motion Picture Recording (*2)	4K Video: 3840 x 2160 pixels, 30p (4K: 100Mbps / MP4) (Sensor Output is 30fps) (AAC) 3840 x 2160 pixels, 25p (4K: 100Mbps / MP4) (Sensor Output is 25fps) (AAC) FHD Video: 1920 x 1080 pixels, 50p (FHD: 28Mbps / AVCHD) (Sensor Output is 50fps) (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, 60p (FHD: 28Mbps / MP4) (Sensor Output is 60fps) (AAC) 1920 x 1080 pixels, 50p (FHD: 28Mbps / MP4) (Sensor Output is 50fps) (AAC) 1920 x 1080 pixels, 30p (FHD: 20Mbps / MP4) (Sensor Output is 30fps) (AAC) 1920 x 1080 pixels, 25p (FHD: 20Mbps / MP4) (Sensor Output is 25fps) (AAC) HD Video: 1280 x 720 pixels, 30p (HD: 10Mbps / MP4) (Sensor Output is 30fps) (AAC) 1280 x 720 pixels, 25p (HD: 10Mbps / 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 Picture) (*2)	AVCHD	FHD/60p, FHD/50p: Approx. 90 min FHD/60i, FHD/50i: Approx. 90 min
	MP4	4K/30p, 4K/25p: Approx. 80 min FHD/60p, FHD/50p: Approx. 90 min
Actual Recordable Time (Motion Picture) (*2)	AVCHD	FHD/60p, FHD/50p: Approx. 45 min FHD/60i, FHD/50i: Approx. 45 min
	MP4	4K/30p, 4K/25p: Approx. 40 min FHD/60p, FHD/50p: Approx. 45 min
Exposure Parameters	Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
	Exposure Compensation	1/3 EV step, +/-5 EV (+/-3 EV for motion picture)
	Light Metering	Intelligent Multiple / Center Weighted / Spot
	ISO Sensitivity	Still Image: Auto / i.ISO / 80 / 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 (Extended ISO) Motion Picture: Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200 (Changeable to 1/3 EV step)
Picture Quality	Still Picture Recording	4:3: 4896x3672 (18M) (L) / 3456x2592 (9M) (M) / 2400x1800 (4.5M) (S) 3:2: 4896x3264 (16M) (L) / 3456x2304 (8M) (M) / 2400x1600 (4M) (S) 16:9: 4896x2752 (13.5M) (L) / 3840x2160 (8M) (M) / 1920x1080 (2M) (S) 1:1: 3664x3664 (13.5M) (L) / 2592x2592 (7M) (M) / 1824x1824 (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
	Picture Adjustment	Contrast, Sharpness, Noise Reduction, Saturation*, Color Tone**, Filter Effect** * Except for Monochrome mode. ** For Monochrome mode only.
Bracket	AE Bracket	3, 5, 7 images in 1/3, 2/3 or 1 EV step, Max. +/-3 EV
	White Balance Bracket	3 exposures in blue/amber axis or in magenta/green axis
Other	Wi-Fi	-
	Self Timer	2 sec / 10 sec / 10 sec (3 images)



Edit	Retouch	Clear Retouch
	RAW Processing	Yes
Others		
Finder	Viewfinder	0.39" OLED LVF (Live View Finder) (2,360k dots), Field of View: Approx. 100% Magnification: Approx. 0.74x (35 mm camera equivalent)
Monitor	LCD Monitor	7.6cm (3.0") TFT Screen LCD Display (1,840k dots) Static Touch Control Field of View: Approx. 100%
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. 1st Curtain Sync., 2nd Curtain Sync. 0.3 - 14.1m (Wide / ISO Auto), 1.5 - 6.1m (Tele / ISO Auto)
Media	Recording Media	SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I UHS Speed Class 3 standard SDHC / SDXC Memory Cards)
Audio	Microphone / Speaker	Stereo / Mono
Interface	Interface	microHDMI typeD (*3), USB Type-C® (USB Charging)
Power	Power	Li-ion Battery Pack (7.2V, 895mAh, 6.5 Wh) (Included)
	Battery Life (Approx.)	Approx. 300 images (rear monitor), 220 images (LVF) (*1)
Standard Package	Included Software	<ul style="list-style-type: none">• The software to edit and playback images on computer is not bundled with this camera. To do this, PHOTOfunSTUDIO is available for download at Panasonic website using computer connected to the Internet. https://panasonic.jp/support/global/cs/soft/download/d_pfs10ae.html (For Windows)• The software to process RAW file on PC is not bundled with this camera. To do this, SILKYPIX Developer Studio is available for download at Adwaa's website using PC connected to the Internet.• The Operating Instructions for advanced features is available for downloaded at Panasonic LUMIX Customer Support Site using PC, smartphone or tablet connected to the Internet.
	Standard Accessories	Battery Pack, Shoulder Strap, Lens Cap, Lens Cap String

Note

*1

- Recording conditions by CIPA standard
- Temperature: 23 °C (73.4 °F) / 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].

*2

- 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].
(SD speed class is the speed standard regarding continuous writing.)
- Recording stops when the continuous recording time exceeds 15 minutes with [MP4] in [4K].
- When using an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately.
- When using an SDXC memory card: You can record a motion picture in a single file.
Recording stops when the continuous recording time exceeds 29 minutes and 59 seconds with [AVCHD] in [FHD/50p] [FHD/50i], [MP4] in [FHD/60p] [FHD/50p], and High Speed motion pictures. You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately.

- MP4 motion pictures with [MP4] in [FHD/30p] [FHD/25p] [HD]: You can continue recording without interruption even if the file size exceeds 4 GB or 30 minutes in length, but the motion picture file will be divided and recorded/played back separately.
- 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.

*3

For [4K] video output, use an HDMI cable that has the HDMI logo on it, and that is described as"4K compatible".

