

Panasonic Lumix FZ82D Specification

FZ82D

Specifications

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)
Camera Effective Pixels		18.1 Megapixels
Sensor Size / Total Pixels / Filter		1/2.3-type High Sensitivity MOS Sensor / 18.9 Total Megapixels / Primary Color Filter
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		φ55mm
Conversion Lens Compatibility		DMW-LT55 (sold separately). Requires Lens Adaptor DMW-LA8 (sold separately) for attachment.
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 Speed		<p>Still Image: Approx. 4 - 1/2,000 sec (Mechanical Shutter) Approx. 1 - 1/16,000 sec (Electronic Shutter) Artistic Nightscape (Approx. 60 sec)</p> <p>Motion Picture: Approx. 1/25 - 1/16,000 sec Approx. 1/2 - 1/16,000 sec (Creative Video M Mode / MF Mode)</p>
File Format		<p>Still Image: JPEG (DCF/Exif2.3) / RAW Motion Picture: AVCHD Progressive, AVCHD, MP4</p>
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.)		<p>[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)</p>
Number of Recordable Images		<p>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</p>
4K Photo Mode (*2)		<p>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)</p> <p>Exif Information: Yes Marking Function: Yes (in 4K Burst (S/S) mode)</p>
Motion Picture Recording (*2)	4K Video	<p>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)</p>
	HD Video	<p>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)</p>
		<p>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) 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)</p>
	High Speed Video	<p>1280 x 720 pixels, 25p (HD: MP4) (Sensor Output is 100fps) 640 x 480 pixels, 25p (VGA: MP4) (Sensor Output is 200fps)</p>

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
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		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)
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.
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
Wi-Fi		-
Self Timer		2 sec / 10 sec / 10 sec (3 images)
Retouch		Clear Retouch
RAW Processing		Yes
OSD Language		Please refer to "OSD" Sheet
Viewfinder		0.39" OLED LVF (Live View Finder) (2,360k dots), Field of View: Approx. 100% Magnification: Approx. 0.74x (35 mm camera equivalent)
LCD Monitor		7.6cm (3.0") TFT Screen LCD Display (1,840k dots) Static Touch Control Field of View: Approx. 100%
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)
Recording Media		SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I UHS Speed Class 3 standard SDHC / SDXC Memory Cards)
Microphone / Speaker		Stereo / Mono
Interface		microHDMI typeD (*3), USB Type-C® (USB Charging)
Power		Li-ion Battery Pack (7.2V, 895mAh, 6.5 Wh) (Included)

Battery Life (Approx.)		Approx. 300 images (rear monitor), 220 images (LVF) (*1)
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 • 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	<p>Recording conditions by CIPA standard</p> <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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]. <ul style="list-style-type: none"> - 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".