

[LUMIX Cameras](#)[Lumix Digital Cameras](#)

LUMIX Digital Camera DMC-FZ1000

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| Metrics | | Dimensions (W x H x D) | 136.8 x 98.5 x 130.7 mm |
| | | Dimensions (W x H x D) | (5.39 x 3.88 x 5.15 inch) |
| | | Weight | Approx. 780 g without Battery and SD Memory Card (1.72 lb) |
| | | Weight | Approx. 831 g with Battery and SD Memory Card (1.83 lb) |
| Optics | Pixels | Camera Effective Pixels | 20.1 Megapixels |
| | Sensor | Sensor Size / Total Pixels / Filter | 1-inch High Sensitivity MOS Sensor / Total Pixel Number 20.9 Megapixels / Primary Color Filter |
| | Lens | Aperture | F2.8 - 4.0 / Multistage Iris Diaphragm (Still Image: F2.8 - 8.0 (W), F4.0 - 8.0 (T), Motion Picture: F2.8 - 11.0 (W), F4.0 - 11.0 (T)) |
| | | Optical Zoom | 16x |
| | | Focal Length | f = 9.1 - 146mm |
| | | Focal Length | (27 - 432mm in 35mm equiv. in 4:3) |
| | | Focal Length | (25 - 400mm in 35mm equiv. in 3:2) |
| | | Focal Length | (26 - 416mm in 35mm equiv. in 16:9) |
| | | Focal Length | (32 - 512mm in 35mm equiv. in 1:1) |
| | | Focal Length | (26 - 416mm in 35mm equiv. in 16:9 video recording / O.I.S. Off / Level Shot function Off) |
| | | Focal Length | (28 - 448mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function Off) |
| | | Focal Length | (31 - 496mm in 35mm equiv. in 16:9 video recording / O.I.S. On / Level Shot function On) |
| | | Focal Length | (37 - 592mm in 35mm equiv. in 4K video recording) |
| | | Extra Optical Zoom (EZ) | 22.4x (3:2 / 10M (M)), 32x (3:2 / 5M (S)) |
| | | Intelligent Zoom | 32x |
| | | Lens | LEICA DC VARIO-ELMARIT |
| | | Lens | 15 elements in 11 groups |
| | | Lens | (5 Aspherical Lenses / 8 Aspherical Surfaces / 4 ED Lenses) |
| | | Changing of | 5-Speed Zoom |

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| | | Zoom Speed | |
| | | Optical Image Stabilizer/Five Axis Correction | HYBRID O.I.S. +* / Yes* * Except for the 4K video recording and high-speed video recording. |
| | | Digital Zoom | Max. 4x |
| | | Conversion Lens Compatibility | - |
| | Focus | Focusing Area | Normal: Wide 30 cm - infinity / Tele 100 cm - infinity |
| | | Focusing Area | AF Macro / MF / Intelligent Auto / Motion Picture: Wide 3 cm - infinity / Tele 100 cm - infinity |
| | | AF Assist Lamp | Yes (On / Off) |
| | | Focus | AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF |
| | | Focus | Normal / AF Macro / Macro Zoom, Quick AF On / Off (on in Intelligent Auto), Low Light AF, AF/AE Lock Button, AF Area Select, AF Tracking, Eye Sensor AF, Focus Peaking, One Shot AF (Set the Fn button in custom menu to AF-ON) |
| | | AF Metering | Face/Eye Detection / Tracking / 49-area / Custom Multi / 1-area (flexible / scalable) / Pinpoint |
| | Shutter | Shutter Speed | Still Image: |
| | | Shutter Speed | Approx. 60 - 1/4,000 sec (Mechanical Shutter) |
| | | Shutter Speed | Approx. 1 - 1/16,000 sec (Electronic Shutter) |
| | | Shutter Speed | Bulb (Approx. 120 sec) |
| | | Shutter Speed | Motion Picture: |
| | | Shutter Speed | Approx. 1/25 - 1/16,000 sec |
| | | Shutter Speed | Approx. 1/2 - 1/16,000 sec (Creative Video M Mode / MF Mode) |
| | Finder | Viewfinder | 0.39" OLED LVF (Live View Finder) (2359K dots), Field of View: Approx. 100%, |
| | | Viewfinder | Magnification: Approx. 1.88x / 0.7x (35mm equiv.), Eye Sensor |
| Recording | File | File Format | Still Image: JPEG (DCF/Exif2.3) / RAW, DPOF |
| | | File Format | Motion Picture: AVCHD, MP4 |
| | Recording Modes | Mode Dial / Mode Button | Intelligent Auto, P, A, S, M, Creative Video, C1 (Custom), C2 (Custom), 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, |
| | | Creative Control mode | Toy Effect, Toy Pop, Bleach Bypass, Miniature Effect, Soft Focus, Fantasy, Star Filter, One Point Color, Sunshine (22 filters) |
| | | Still Image Scene Mode / | 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 |
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| | Scene Guide | Water, Clear Nightscape, Cool Night Sky, Warm Glowing Nightscape, |
| | Still Image Scene Mode / Scene Guide | 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, Panorama |
| | Continuous Shooting Mode (Approx.) | [AFS] SH: 50 frames/sec*, H: 12 frames/sec, M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View) |
| | Continuous Shooting Mode (Approx.) | [AFC] H: 7 frames/sec, M: 7 frames/sec (with Live View), L: 2 frames/sec (with Live View) |
| | Continuous Shooting Mode (Approx.) | * Electronic shutter only. |
| Motion Picture Recording (*2) | 4K Video | 3840 x 2160 pixels, 25p (4K: 100Mbps / MP4) (Sensor Output is 25fps) (AAC) |
| | HD Video | 1920 x 1080 pixels, 50p (FHD: 28Mbps / AVCHD) (Sensor Output is 50fps) (Dolby) |
| | HD Video | 1920 x 1080 pixels, 24p (FHD: 24Mbps / AVCHD) (Sensor Output is 24fps) (Dolby) |
| | HD Video | 1920 x 1080 pixels, 25p (FHD: 24Mbps / AVCHD) (Sensor Output is 25fps) (Dolby) |
| | HD Video | 1920 x 1080 pixels, 50i (FHD: 17Mbps / AVCHD) (Sensor Output is 50fps) (Dolby) |
| | HD Video | 1920 x 1080 pixels, 50p (FHD: 28Mbps / MP4) (Sensor Output is 50fps) (AAC) |
| | HD Video | 1920 x 1080 pixels, 25p (FHD: 20Mbps / MP4) (Sensor Output is 25fps) (AAC) |
| | HD Video | 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 | 1920 x 1080 pixels, 25p (FHD: MP4) (Sensor Output is 100fps) |
| Continuous recordable time (motion pictures) | AVCHD | Approx. 130 min (FHD/60p), Approx. 135 min (FHD/60i) |
| | MP4 | Approx. 110 min (4K/30p), Approx. 130 min (FHD/60p) |
| Actual recordable time (motion pictures) | AVCHD | Approx. 65 min (FHD/60p), Approx. 70 min (FHD/60i) |
| | MP4 | Approx. 55 min (4K/30p), Approx. 65 min (FHD/60p) |
| 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) |
| | 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 Sensitivity | Auto / i.ISO / 80* / 100* / 125 / 200 / 400 / 800 / 1600 / 3200/ 6400 / 12800 / 25600* (* Extended ISO) |

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| | | ISO Sensitivity | (Changeable to 1/3 EV step) |
| Picture Quality | Still Picture Recording | [4:3] 4864x3648 (17.5M) (L) / 3456x2592 (9M) (M) / 2432x1824 (4.5M) (S) | |
| | Still Picture Recording | [3:2] 5472x3648 (20M) (L) / 3888x2592 (10M) (M) / 2736x1824 (5M) (S) | |
| | Still Picture Recording | [16:9]5472x3080 (17M) (L) / 3840x2160 (8M) (M) / 1920x1080 (2M) (S) | |
| | Still Picture Recording | [1:1] 3648x3648 (13.5M) (L) / 2592x2592 (6.5M) (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 | |
| | White Balance | (2-axis Adjustable) | |
| | Photo Style | Standard, Vivid, Natural, Monochrome, Scenery, Portrait, Custom, Cinelike D*, Cinelike V* * When Creative Video mode is selected. | |
| | Color Mode / Color Effect | - | |
| | 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 | |
| | Wi-Fi | 2412 MHz - 2462 MHz (1-11 ch) | |
| | Wi-Fi | WPA / WPA2 | |
| | Wi-Fi | Infrastructure Mode / WPS / Wi-Fi Direct | |
| | Wi-Fi | Wi-Fi Button | |
| | NFC | ISO/IEC 18092, NFC-F (Passive Mode) | |
| | Zoom in Motion Picture | Yes | |
| | Self Timer | 2 sec / 10 sec / 10 sec (3 images) | |
| | Self Shot Mode | - | |
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| Playback | Display | Playback Mode | All, Slideshow, Filtering Play (Picture Only, Video Only, Category Selection, Favorite), Calendar |
| | | Thumbnails / Zoomed Playback | 12,30-thumbnails / Yes |
| | | Calendar Display / Dual-Image Playback | Yes / No |
| | | Set Favorites / Rotate Image | Yes / Yes |
| | | Show Histogram | Yes |
| | | Show Highlights | Yes |
| | | DPOF Print Setting / Set Protection | Yes / Yes |
| | Edit | Retouch | No |
| | | RAW Processing | Yes |
| | | Resize / Cropping / Aspect Conv. / Leveling | Yes / Yes / No / No |
| | | Copy / Title Edit / Text Stamp | No / Yes / Yes |
| | | Cut Animation | Yes |
| | | Video Divide | 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 (921K dots), AR Coating |
| | | LCD Monitor | 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. |
| | | Built- in- Flash | Flash Synchro: 1st / 2nd Slow Sync. |
| | | Built- in- Flash | Synchronization for flash dimming and exposure compensation |
| | | Built- in- Flash | 0.3 - 13.5m (Wide / ISO Auto), 1.0 - 9.5m (Tele / ISO Auto) |
| | Media | Recording Media | SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I standard) |

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| | | Built- in- Memory | - |
| | Audio | Microphone / Speaker | Stereo / Mono |
| | Interface | Interface | microHDMI, 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) |
| | | Power | AC Adaptor (Input: 110 - 240V AC) |
| | | Battery life (approx.) | 360 pictures (CIPA Standard)*1 |
| | Standard Package | Included Software | PHOTOfunSTUDIO 9.5PE |
| | | Included Software | SILKYPIX Developer Studio |
| | | Included Software | LoiLoScope (trial version) |
| | | Included Software | Adobe Reader |
| | | Standard Accessories | Battery Charger, Battery Pack, USB Cable, AC Cable, Lens Hood, Lens Cap, Hot Shoe Cover, DVD |
| NOTE | | *1. Recording conditions by CIPA standard | |
| NOTE | | - Temperature: 23 oC (73.4 oF) / Humidity: 50%RH when LCD monitor is on. | |
| NOTE | | - Using a Panasonic SDHC Memory Card | |
| 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 | | - The number of recordable pictures varies depending on the recording interval time. | |
| NOTE | | - If the recording interval time becomes longer, the number of recordable pictures decreases. | |
| NOTE | | - CIPA is an abbreviation of [Camera & Imaging Products Association]. | |
| NOTE | | *2. - These are standard times taken at a temperature of 23 oC (73.4 oF) and a humidity of 50%RH. | |

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| 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 | - Use a card with SD Speed Class with "UHS-I Speed Class 3 (U3)" when recording motion pictures with [MP4] in [4K]. |
| NOTE | (SD speed class is the speed standard regarding continuous writing.) |
| NOTE | - Maximum time to record motion pictures continuously with [AVCHD] is 29 minutes 59 seconds. |
| NOTE | - Maximum time to record motion pictures continuously with [MP4] in [4K] is 29 minutes 59 seconds. |
| NOTE | - Maximum time to record motion pictures continuously with [MP4] in [FHD] [HD] [VGA] is 29 minutes 59 seconds or up to 4 GB. |
| NOTE | - Maximum time to record High Speed motion pictures continuously is 7 minutes 59 seconds. |