



LUMIX G7 4K Mirrorless Interchangeable Lens Camera Kit with 14-42 mm Lens – Silver DMC-G7KS

• TYPE

- Type Digital Single Lens Mirrorless camera
 - Recording media SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UH UHS-II UHS Speed Class 3 standard SDHC / SDXC Memory Cards)
 - Image sensor size 17.3 x 13.0 mm (in 4:3 aspect ratio)
 - Lens mount Micro Four Thirds mount
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• IMAGE SENSOR

- Type Live MOS Sensor
 - Camera effective pixels 16.00 Megapixels
 - Color filter Primary color filter
 - Dust reduction system Supersonic wave filter
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• RECORDING SYSTEM

- Aspect ratio 4:3, 3:2, 16:9, 1:1
- Image quality RAW, RAW+Fine, RAW+Standard, Fine, Standard
- MPO+Fine / MPO+Standard (with 3D lens in Micro Four Thirds system standard)
- Color Space sRGB, AdobeRGB
- Continuous recordable time (Motion picture) AVCHD [FHD/60i]: Approx. 130 min (rear monitor), 140 (LVF) with H-FS1442A
- AVCHD [FHD/60i]: Approx. 130 min (rear monitor), 130 min (LVF) with H-FS14140
- AVCHD [FHD/60i]: Approx. 130 min (rear monitor), 140 min (LVF) with H-FS45150
- MP4 [4K/30p]: Approx. 100 min (rear monitor), 100 min (LVF) with H-FS1442A
- MP4 [4K/30p]: Approx. 100 min (rear monitor), 100 min (LVF) with H-FS14140
- MP4 [4K/30p]: Approx. 100 min (rear monitor), 110 min (LVF) with H-FS45150
- Actual recordable time (Motion picture) AVCHD [FHD/60i]: Approx. 65 min (rear monitor), 70 min (L) with H-FS1442A
- AVCHD [FHD/60i]: Approx. 65 min (rear monitor), 65 min (LVF) with H-FS14140
- AVCHD [FHD/60i]: Approx. 65 min (rear monitor), 70 min (LVF) with H-FS45150
- MP4 [4K/30p]: Approx. 50 min (rear monitor), 50 min (LVF) with H-FS1442A
- MP4 [4K/30p]: Approx. 50 min (rear monitor), 50 min (LVF) with H-FS14140
- MP4 [4K/30p]: Approx. 50 min (rear monitor), 55 min (LVF) with H-FS45150
- *Recording file format*
- Still image JPEG (DCF, Exif 2.3), RAW, MPO (When attaching 3D lens in Micro Four Thirds system standard)
- Motion picture AVCHD (Audio format: Dolby Digital 2ch), MP4 (Audio format AAC 2ch)
- *File size(Pixels)*
- Still Image [4:3] 4592x3448(L) / 3232x2424(M) / 2272x1704(S) / 1824x1368 (When attaching 3D lens in Micro Four Third system standard)
- [3:2] 4592x3064(L) / 3232x2160(M) / 2272x1520(S) / 1824x1216 (When attaching 3D lens in Micro Four system standard)
- [16:9] 4592x2584(L) / 3840x2160(M) / 1920x1080(S) / 1824x1024 (When attaching 3D lens in Micro Four Third system standard)
- [1:1] 3424x3424(L) / 2416x2416(M) / 1712x1712(S) / 1712x1712 (When attaching 3D lens in Micro Four system standard)
- *Motion picture*
- MP4*:NTSC area [4K] 3840x2160:4K/30p 100Mbps, 4K/24p 100Mbps
- [Full HD] 1920x1080:FHD/60p 28Mbps, FHD/30p: 20Mbps
- [HD] 1280x720:HD/30p 10Mbps
- [VGA] 640x480:VGA/30p 4Mbps
- AVCHD*:NTSC area [Full HD] 1920x1080:FHD/60p 28Mbps, 60p recording
- [Full HD] 1920x1080:FHD/60i 17Mbps, 60i recording
- [Full HD] 1920x1080:FHD/30p 24Mbps, 60i recording (sensor output is 30fps)

- [Full HD] 1920x1080:FHD/24p 24Mbps
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- **WiFi FUNCTION**

- WiFi IEEE 802.11b/g/n, 2412 MHz - 2462 MHz (1-11 ch), Wi-Fi / WPA / WPA2, Infrastructure mode
 - NFC No
 - QR Code Connection Yes
 - Password-less connection Yes (ON / OFF selectable)
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- **VIEWFINDER**

- Type OLED Live View Finder (2,360k dots)
 - Field of view Approx. 100%
 - Magnification Approx. 1.4x / 0.7x (35mm camera equivalent) with 50 mm lens at infinity; -1.0 m-1
 - Eye point Approx. 17.5 mm from eyepiece lens
 - Diopter adjustment -4.0 - +4.0 (dpt)
 - Eye sensor Yes
 - Eye sensor adjustment High / Low
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- **FOCUS**

- Type Contrast AF system
 - DFD technology Yes
 - Focus mode AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF
 - AF mode Face/Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoint
 - (Full area touch is available)
 - AF detective range EV -4 - 18 (ISO100 equivalent)
 - Starlight AF Yes
 - AF assist lamp Yes
 - AF lock Yes (AF/AE LOCK button)
 - Others One Shot AF, Shutter AF, Half Press Release, Quick AF, Continuous AF (during motion picture recording), Eye Sensor AF, AF+MF, MF Assist, Touch MF Assist, Focus Peaking, Touch AF/AE Function, Touch Pad AF, Touch Shutter
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- **EXPOSURE CONTROL**

- Light metering system 1728-zone multi-pattern sensing system
- Light metering mode Multiple / Center Weighted / Spot
- Metering range EV 0 - 18 (F2.0 lens, ISO100 equivalent)
- Exposure mode Program AE, Aperture Priority AE, Shutter Priority AE, Manual,
- ISO sensitivity (Standard Output Sensitivity) Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 13200 / 6400 / 12800 / 25600 (Changeable to 1/3 EV step)
- (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)
- Exposure compensation 1/3 EV step ± 5 EV (± 3 EV for motion picture)
- AE lock Yes (AF/AE LOCK button)
- AE bracket 3, 5, 7 frames in 1/3, 2/3 or 1 EV Step, Max. ± 3 EV, single/burst

• WHITE BALANCE

- White balance Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting
- White balance adjustment Blue/Amber bias, Magenta/Green bias
- Color temperature setting 2500-10000K in 100K
- White balance bracket 3 exposures in blue/amber axis or in magenta/green axis

• SHUTTER

- Type Focal-plane shutter
- Shutter speed Still image: Bulb (Max. 2 minutes), 1/4,000 - 60
- Motion picture: 1/16,000 - 1/25
- Electronic shutter: 1/16,000 - 1
- Self timer 10sec, 3 images / 2sec / 10sec
- Remote control Remote control with Bulb function by DMW-RSL1 (Optional)

• SCENE GUIDE

- Still image 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 / Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome
- Motion picture 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 / Clear Nightscape / Cool Night Sky / Warm Glowing Nightscape / Artistic Nightscape / Handheld Night Shot / Clear Night Portrait / Appetizing Food / Cute Dessert / Freeze Animal Motion / Clear Sports Shot / Monochrome

• PANORAMA SHOT

- Panorama shot Yes (Standard / Wide)

• BURST SHOOTING

- Burst speed Mechanical shutter: H: 8 frames/sec (with AFS), 6 frames/sec (with AFC), M: 6 frames/sec (with Live View), L: 2 frames/sec (with Live View)
- Electronic shutter: SH: 40 frames/sec, H: 10 frames/sec, M: 6 frames/sec (with Live View), L: 2 frames/sec (with Live View)
- Number of recordable images More than 13 images (when there are RAW files with the particular speed)

- More than 100 images (when there are no RAW files)
- (depending on memory card type, aspect, picture size and compression)

• 4K PHOTO MODE

- 4K Photo mode* 4K Pre-Burst: 30 frames/sec, approx. 2 seconds
- 4K Burst: 30 frames/sec, max. 29 minutes 59 seconds
- 4K Burst (S/S): 30 frames/sec, max. 29 minutes 59 seconds
- (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 / Shutter-Priority / Manual Exposure
- Marking function Yes (in 4K Burst (S/S) mode)

• FLASH

- Built in flash type TTL Built-in-Flash, GN9.3 equivalent (ISO200 · m) / GN6.6 equivalent (ISO100 · m)
- Built-in Pop-up (Reference)
- Flash Mode Auto*, Auto/Red-eye Reduction*, Forced On, Forced On/Red-eye Reduction, Slow Sync., S Sync./Red-eye Reduction, Forced Off * For iA, iA+ only.
- Synchronization speed Less than 1/160 second
- Flash output adjustment 1/3EV step ±3EV
- Flash synchronization 1st. Curtain Sync, 2nd Curtain Sync.
- Synchronization for flash dimming and exposure compensation Yes

• REAR MONITOR

- Type TFT LCD monitor with static touch control
- Monitor size Free-angle 3.0-inch / 3:2 aspect / Wide viewing angle
- Pixels Approx. 1,040k dots
- Field of view Approx. 100%
- Monitor adjustment Brightness, Contrast, Saturation, Red-Green, Blue-Yellow

• LIVE VIEW

- Digital zoom 2x, 4x
- Extra Tele Conversion Still image: Max. 2x
- Motion picture: 2.4x (FHD), 3.6x (HD), 4.8x (VGA)
- Other functions Level Gauge, Real-time Histogram, Guide Lines (3 patterns), Center Marker, Highlight display (Still image / motion picture), Zebra pattern (Still image / motion picture)

• DIRECTION DETECTION FUNCTION

- Direction Detection Function Yes

• FUNCTION BUTTON

- Fn1, Fn2, Fn3, Fn4, Fn5, Fn6, Fn7, Fn8, Fn9, Fn10, Fn11 Exposure Comp. / Wi-Fi / Q.MENU / LVF/Mc Switch / AF/AE LOCK / AF-ON / Preview / One Push AE / Touch AE / Level Gauge / Focus Area Set / Z Control / Cursor Button Lock / Dial Operation Switch / Photo Style / Filter Select / Aspect Ratio / Picture Size / Quality / AFS/AFF / Metering Mode / Burst Rate / 4K PHOTO / Auto Bracket / Self Timer / High
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Shadow / i. Dynamic / i. Resolution / HDR / Electronic Shutter / Flash Mode / Flash Adjust. / Ex. Tele C
Digital Zoom / Stabilizer / Snap Movie / Motion Pic. Set / Picture Mode / Mic. Directivity Adjust / Silent
Mode / Peaking / Histogram / Guide Line / Zebra Pattern / Monochrome Live View / Rec Area / Step Z
Zoom Speed / Touch Screen / Sensitivity / White Balance / AF Mode/MF / Restore to Default

• PHOTO STYLE

- Still image and motion picture Standard / Vivid / Natural / Monochrome / Scenery / Portrait / Custom / Cinelike D* / Cinelike V* *When Creative Video Mode is selected.

• CREATIVE CONTROL

- Still image 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 C Sunshine
- Motion picture Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome / Dynamic Monochrome / Impressive Art / High Dynamic / Cross Process / Toy Effect / Toy Pop / Bleach Bypass / Miniature Effect / Fantasy / One Point Color

• CREATIVE VIDEO MODE

- Exposure mode Program AE / Aperture-Priority / Shutter-Priority / Manual Exposure

• MOTION PICTURE FUNCTION

- Cinelike gamma Cinelike D / Cinelike V
- Flicker reduction [1/50] / [1/60] / [1/100] / [1/120] / OFF

• PLAYBACK

- Playback function 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (M 16x), Slideshow (All / Picture Only / Video Only / 4K PHOTO / 3D / Category Selection / Favorite, duration & effect is selectable), Playback Mode (Normal / Picture / Video / 4K PHOTO / 3D Play / Category / Favorite), Location Logging, RAW Processing, Clear Retouch, Title Edit, Text Stamp, Video Divide, Time Lapse Video, Stop Motion Video, Resize, Cropping, Rotate, Rotation Display, Favorite, DPOF Print Set Protect, Face Recognition Edit, Picture Sort, Creating Still Pictures from a Motion Picture

• IMAGE PROTECTION ERASE

- Protection Single / Multi
- Erase Single / Multi / All / Except Favorite

• PRINT

- Direct Print PictBridge compatible

• INTERFACE

- USB USB 2.0 High Speed Multi
 - HDMI** microHDMI TypeD / VIERA Link
 - Video: Auto / 4K / 1080p / 1080i / 720p / 480p
 - Audio: Stereo
 - Audio video output Monaural Type, NTSC
 - *Check the website of the Panasonic sales company in your country or region for details on the product are available in your market.
 - Remote input ϕ 2.5mm for remote
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- External microphone input ϕ 3.5mm for external microphone
- Stereo/Lens Auto/Shotgun/Super Shotgun/Manual is selectable when attaching DMW-MS2 (optional).
- Microphone Stereo, Wind-cut: OFF / Low / Standard / High / AUTO
- Speaker Monaural

• LANGUAGE

- OSD language Japanese, English, German, French, Italian, Spanish, Portuguese, Chinese (Traditional)
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• GENERAL

- *POWER*
 - Battery Li-ion Battery Pack (7.2V, 1200mAh, 8.7Wh) (Included)
 - Battery Charger
 - Battery life (CIPA standard) Approx. 360 images with H-FS1442A
 - Approx. 350 images with H-FS14140
 - Approx. 350 images with H-FS45150
 - *DIMENSIONS WEIGHT*
 - Dimensions (W x H x D) 124.9 x 86.2 x 77.4 mm / 4.92 x 3.39 x 3.05 inch (excluding protrusions)
 - Weight Approx. 410g / 0.90 lb (SD card, Battery, Body)
 - Approx. 360g / 0.79 lb (Body only)
 - Approx. 520g / 1.15 lb (SD card, Battery, H-FS1442A lens included)
 - Approx. 675g / 1.49 lb (SD card, Battery, H-FS14140 lens included)
 - Approx. 610g / 1.34 lb (SD card, Battery, H-FS45150 lens included)
 - Approx. 720g / 1.59 lb (SD card, Battery, H-FS1442A + H-FS45150 lenses included)
 - *OPERATING ENVIRONMENT*
 - Operating temperature 0°C to 40°C (32°F to 104°F)
 - Operating humidity 10%RH to 80%RH
 - *STANDARD ACCESSORIES*
 - Software PHOTOfunSTUDIO 9.7 PE
 - (Windows Vista / Windows 7 / Windows 8 / Windows 8.1)
 - SILKYPPIX® Developer Studio 4.3 SE
 - (Windows Vista / Windows 7 / Windows 8 / Windows 8.1, Mac OS X v10.5 - v10.10)
 - LoiLoScope (Trial version)
 - (Windows Vista / Windows 7 / Windows 8 / Windows 8.1)
 - Standard accessories DMC-G7K Kit
 - Hot Shoe Cover, Body Cap, Battery Pack, Battery Charger, USB Connection Cable, Shoulder Strap, DV AC Cable*, Lens Hood, Lens Cap, Lens Rear Cap
 - * Depends on the country or region.
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• INTERCHANGEABLE LENS-1

- Lens Name LUMIX G VARIO 14-42mm / F3.5-5.6 ASPH. / MEGA O.I.S.
- Lens Construction 12 elements in 9 groups (1 Aspherical lens)
- Mount Micro Four Thirds mount
- Optical Image Stabilizer Yes
- Focal Length f=14mm to 42mm (35mm camera equivalent 28mm to 84mm)
- Aperture Type 7 diaphragm blades / Circular aperture diaphragm
- Aperture F3.5(Wide) - F5.6(Tele)
- Minimum Aperture F22
- Closest Focusing Distance 0.3m / 1ft
- Maximum magnification Approx. 0.16x / 0.32x (35mm camera equivalent)
- Diagonal Angle of View 75° (W) ~29° (T)
- *General*
- Filter Size ϕ 52mm / 2.05 in
- Max. Diameter ϕ 60.6mm / 2.39 in
- Overall Length Approx. 63.6mm / 2.50 in (from the tip of the lens to the base side of the lens mount)
- Weight [g] Approx. 165g
- Weight [oz] Approx. 5.82oz

• NOTES

- TIME LAPSE SHOT Yes
- STOP MOTION ANIMATION Yes
- SILENT MODE Yes
- NOTE "*" About motion picture recording / 4K Photo recording
- - 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 / UHS-II UHS Speed Class 3 (U3)"" when recording m pictures with [MP4] in [4K] or [4K PHOTO].
- (SD speed class is the speed standard regarding continuous writing.)
- - Maximum time to record motion pictures continuously with [MP4] in [4K] is 29 minutes 59 seconds.
- - You can continuously record a motion picture with its size set to [4K] in [MP4] or [4K PHOTO] without pause even if the motion picture exceeds 4GB. However, the recorded content has to be played back as multiple files.
- - Maximum time to record motion pictures continuously with [MP4] in [FHD] [HD] [VGA] is 29 minute seconds or up to 4 GB.
- - Maximum time to record motion pictures continuously with [AVCHD] is 29 minutes 59 seconds in Eur
- ** For [4K] video output, use an HDMI cable that has the HDMI logo on it, and that is described as "4K compatible".

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