SPECIFICATIONS

TYPE	Type Recording media	Digital Single Lens Mirrorless camera SD Memory Card, SDHC Memory Card, SDXC Memory Card [Compatib with UHS-I/UHS-IIUHS Speed Class 3 standard SDHC / SDXC Memory Card
	Image sensor size Lens mount	SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatib with UHS-J UHS-J UHS-Speed Class 3 standard SDHC / SDXC Memory Card 17.3 x 13.0 mm lin 4:3 aspect ratiol Micro Four Thirds mount Live MOS Sensor
IMAGE SENSOR	Type Total pixels Camera effective pixels Cotor filter Dust reduction system	History Out Times mount Live MDS Sensor 18.84 megapixels 16.00 megapixels 16.00 megapixels Primary color little Supersonic wave fifter
RECORDING SYSTEM	Dust reduction system ZATION SYSTEM Recording file format	Supersonic wave filter Image sensor shift type (5-axis / 5-stop), Dual I.S. (Dual I.S. 2 compatibl Still image: JPE6 (DCF, Exif 2.3), RAW, MPO [When attaching 3D lens in Micro Four Thirds system standard)
	Aspect ratio Image quality	Motion picture: AVCHU (Audio format: Delby Digital Zich), MP4 (Audio format: AAC Zi 4:3, 3:2, 16:9, 1:1 RAW, RAW-Fine, RAW+Standard, Fine, Standard
	Color space File size (Pixels)	Image sensor shift type (E-suis / 5-stop), Dual I. S., Dual I. S., 2 compatible Still Image J P66 (DIF), Eat 213, P64, MM, P69 years in slandard! When staching 30 leads from 10 libry jugal 26th, R64 [badio format AAC 24, 3-2, 1-6, 4], 2-3, 2-1, 6-1, 2-3, 2-1, 1-6, 1-7, 2-3, 2-1, 1-6, 1-7, 2-7, 2-7, 2-7, 2-7, 2-7, 2-7, 2-7, 2
		Motion picture*: MPZ-*: (4K) 38A:0730-100Mbps, 4K/25p-100Mbps, 4K/24p-100Mbps (59H) 4K/20p-100Mbps, 4K/25p-100Mbps (4UH 4D) 128A:100Mbps, AR/24p-100Mbps (50H) 128A:100Mbps, AR/24p-100Mbps (50H) 128A:100Mbps, FDD/30p-20Mbps, FDD/30p-20Mbps, FDD/30p-20Mbps (50H) 128A:072p-20Mbps, FDD/30p-20Mbps (50H) 128A:072p-20Mbps, FDD/30p-20Mbps (50H) 128A:072p-20Mbps (50H) 128A:072p-20Mbps
		AVCHDP: [Full HD] 1920-1080 [S0Hz] FHD/S0p: 28Mbps, S0p recording, FHD/S0i: 17Mbps, 50i record in PHD/Sp; 24Mbps, S0p recording, FHD/S0i: 17Mbps, 50i record in PHD/Sp; 24Mbps, S0p recording, FHD/S0i: 17Mbps, 60i record in S0i FHD/S0i; 17Mbps, 60i record in S0i FHD/S0i; 24Mbps, 60i record in S0i FHD/S0i; 24Mbps, 60i record in S0i FHD/S0i; 24Mbps, 60i recording in S0i FHD/S0i; 24Mbps, 60i recording in S0i FHD/S0i; 24Mbps, 50i recording in S0i FHD/S0i; 50i FHD/S0i
	Continuous recordable time (Motion picture)	[50Hz] AVCHD [FHD/50]: Approx. 120 min with H-FS1442A/H-FS12060/H-FS141 MPA [4K/30g, 4K/25g]: Approx. 90 min with H-FS1442A/H-FS12060/H-FS141 (40Hz] AVCHD [FHD/50]: Approx. 120 min with H-FS12060, MP4 [4K/30g]: Approx. 90 min with H-FS12060
	Actual recordable time (Motion picture)	[50Hz] AVCHD [FHD/50]: Approx. 60 min with H-F51642A / H-F512060 / H-F516140 MP4 [4K/3D, 4K/75]: Approx. 45 min with H-F51642A / H-F512060 / I-F516140 [40Hz] AVCHD [FHD/60]: Approx. 45 min with H-F512060, MP4 [4K/3Dp]: Approx. 45 min with H-F512060
WI-FI Function	Wi-Fi NFC QR code connection Password-less connection Type Field of view	IEEE 802.11big/n, 2412 MHz - 2462 MHz (1-11 chl, WI-Fr) WPA / WPA2, Infrastructure mo No Yes (DN / OFF selectable) UE DL I wa Visuu Finder 12 360k stotsl
VIEWFINDER	Password-less connection	Yes ION / OFF selectable
VIEWFINDER	Type Field of view Magnification Eye point Diopter adjustment Eye sensor Eye sensor adjustment	Yes ION / OFF selectable] LIED Live View finder (2,360 k dots] Approx. 1,60 k; 104 k; 35 k; 105 k; 107 k;
FOCUS	Type DFD technology Post Focus Focus Stacking Focus mode AF mode	Ves
	AF mode AF detective range Starlight AF AF assist lamp AF lock Others	Yes AFS [Single] / AFF [Flexible] / AFC [Continuous] / MF Face/Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoi [Full area touch is available] EY - 4 - 18 [ISD100 equivalent] Yes Yes
		Yes Yes JAF/AE LOCK butten) One Shet AF, Shutter AF, Half Press Release, Quick AF, AF Senditive Conflows AF Shutter AF, Half Press Release, Quick AF, AF Senditive Conflows AF Boring mode picture recording, Eye Sensor AF, AF-H, MF Assi- Chook MF Assist, From Preland, Dout AFAFE Conclus, Touch Pair AF, Touch Shutt 1728-zone multi-pattern sensing system Multiple / Conter Weighted / Sput
EXPOSURE CONTROL	Light metering system Light metering mode Metering range Exposure mode ISO sensitivity (Standard output sensitivity)	Touch MF Assist, Foour Feaking, Touch AFIAE Fincision, Tsuch Park AF, Touch Shutt 1728-2-ane multi-parter neaming system Multiple / Center Weighted / Spot EV - 18 IF 20 Joint Sol 100 Section (1997)
	Exposure compensation AE lock White balance	1/3 EV step ±5EV (±3EV for motion picture) Yes (AF/AE LOCK button)
WHITE BALANCE	White balance adjustment Color temperature setting	Color temperature setting Blue/Amber bias, Magenta/Green bias
SHUTTER	Color temperature setting Type Shutter speed	2503 - 10000X in 100K Focal-plane Shill Max. 2 minutes), 1/4,000 - 60 Motion picture: 1/4,500 - 1/25(50Hz), 1/16,000 - 1/30(60Hz) Electronic shutter: 1/16,000 - 1000 - 1 Electronic first curfain shutter: 1/2,000 - 60 (50x.), 3 images / Zave / 104xc. Ramate control sin this bill bill micron by DMW-RS.1 (Optional)
	Self timer Remote control	10sec, 3 images / 2sec / 10sec Remote control with Bulb function by DMW-RSL1 [Optional]
BRACKET	AE bracket Aperture Bracket Focus Bracket White balance bracket	3, 5, or all positions in 1 EV step 1 to 999 images, focus steps can be set in 5 levels 3 exposures in blue/amber axis or in magenta/green axis
PANORAMA SI 4K PHOTO MODE	4K Photo mode*	Yes Standard / Wide 4K Burst: 30 frames/sec 4K Burst (5/S): 30 frames/sec 4K Pre-Burst: 30 frames/sec, approx. 2 seconds
	Exif information Marking function Loop rec function	Yes (in 4K Burst (5/5) mode)
BURST SHOOTING	Burst speed	Yes In in 64 Burst (57/5) model Mechanical study (57/5) burst of M
		SH: 40 frames/sec AFS: H: 10 frames/sec, M: 6 frames/sec with Live View , L: 2 frames/sec with Live View

FLASH		
	Flash type	TTL Built-in-Flash, GN9.0 equivalent (ISO200 ·m) / GN6.2 equivalent
	Flash mode	TTL Built-in-Flash, GNP,0 equivalent IISO200 -m) / GNA,2 equivalent IISO200 -m) / GNA,2 equivalent IISO200 -m), Built-in-Pap-ip Beference Auto: AutoRied-Fedeulciani, Force on, Forced On/Red-iye Reduction, Sow Sync., Sow Sync., Red-iye Reduction, Forced OH * For IA, IA- only, Less than TIAO second TABE step as EV 12 Curtain Sync., Zad Curtain Sync.
	Synchronization speed Flash output adjustment Flash synchronization	Less than 1/160 second 1/3EV step ±3EV
	Synchronization for flash dimming and	1st Curtain Sync., 2nd Curtain Sync. Yes
	exposure compensation Wireless control	Yes [When using DMW-FL200L / FL360L / 580L Optional]
SILENT MODE	Type	Yes TET I CD manifes with static touch control
REAR MONITOR	Type Monitor size Pixels Field of view	TFT LCD monitor with static touch control Free-angle 3.0-inch (7.5cm) / 3:2 aspect / Wide viewing angle Approx. 1,00% dots Approx. 100%
	Monitor adjustment	
LIVE VIEW	Digital zoom Extra Tele Conversion	Zx, 4x Still image: Max. 2x
	Other functions	2x, 4s. Still image: Max. 2x Motion pictures: 2.4s [FHD], 3.6x [HD] Level Gauge, Real-lime Histogram, Guide Lines (3 patterns), Highlight display [Still image / motion picture], Zebra Pattern [Still image / motion picture]
DIRECTION DE	TECTION FUNCTION	Yes
FUNCTION BUTTON	Fn1, Fn2, Fn3, Fn4, Fn5, Fn6, Fn7, Fn8, Fn9, Fn10	Yes Exposure Comp., Wei-FJ & DE-EUT (VP/Monther Switz) (WF/Monther Day, Exposure Comp., Wei-FJ & DE-EUT (VP/Monther Switz), Exposure Comp., Wei-FJ & DE-EUT (VP/Monther Switz), Exposure Associated (Application Switz), For Switz Associat
PHOTO STYLE	Still image and motion picture	Circles Dr. / Circles Mr. William Co. 101 Miles Mr. 101 Miles
CREATIVE CONTROL	Still image	Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome /
CONTROL	Motion picture	Chemical of 7 Chimilitae V — when Defaulter value Mode is selection. Expressive Ratro (200 dibby High Red (2) we key Spany I Monochrome / Dynam (Monochrom (Mode) Monochrome (Joby Monochrom Edge) Releash Rygass / High Gynamic Chemical Francis / Fantasy Star Filter (1 no Peol Color / Sanshina Expressive Ratro (4 to Dibby High Ref) wide / Spany Monochrome (2) Dynam (Monochrom I plany seal of High Gynam (2) wide / Spany Monochrom (3) Chemical Red (3) (2) Popp Blass Bypass / Ministure Effect (* Fantasy *) On Point Color (4)
	motion picture	Dynamic Monochrome /Impressive Art / High Dynamic / Cross Process / Tay 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 Flicker reduction	Cinelike D / Cinelike V [1/50] / [1/60] / [1/100] / [1/120] / OFF
PLAYBACK	Playback function	30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (Max. 16x),
		24. A month (Figure) The manufaction of the first feet of the control free of the control feet of the control feet of the month of the control feet of the control fe
IMAGE	Protection	Single / Multi
PROTECTION / ERASE	Erase	Single / Multi Single / Multi / All / Except Favorite
PRINT	Direct print	Distriction and the second sec
	Direct print USB HDMI**	PictBridge compatible USB 2.0 Micro-B urccHOM TypeI / VIERA Link video: Auro / 4K / 1080p / 1080 / 720p / 576pl50Hz / 480p (60Hz) Audio: Steres Monitor-through: 4.2:2/8-si White recording and only develope the SD memory card in the camera unici.
PRINT	Direct print USB HDM **	PictBridge compatible USB 2.0 Micro-B USB 2.0
PRINT	Direct print USB HDMI** Audio video output Remote input External microphone input	PictBridge compatible USB 2.0 Micro-B USB 2.0
PRINT	Direct print USB HDMI** Audio video output Remote input External microphone input	PictBridge compatible USB 2.0 Micro-B William 2.0 Micro-B William 2.0 Micro-B William 2.0 Micro-B William 2.0 Micro-B USB 2.0
PRINT	Direct print USB HDM **	PictBridge compatible USB 2.0 Micro-B microHDM Typp0 / VIERA Link Video Auto / AK / 1086p / 1080 / 720p / 576p 50Hz / 480p (60Hz) Video Auto / AK / 1086p / 1080 / 720p / 576p 50Hz / 480p (60Hz) Minitor -through 4.2 2/8-bit Whilit recording motion picture on the SD memory card in the camera unicl Molitor for committee Q 2.5 mm for remate Q 3.5 mm for remate Q 3.5 mm for remate Manual I selectable when attaching DMW-MS2 (optional). Streen, Wind-cut OFF / Standard / High Menaural Japanese, English, German, French, Italian, Spanish, Portuguese, Thai, Polids (Dech, Hungaran, Romanian, Natherlands, Curisch, Finnish, Dansk) Seedelsh, Greek, Hungaran, Romanian, Natherlands, Curisch, Finnish, Dansky Seedelsh, Greek, Hungaran, Romanian, Natherlands, Curisch, Curisch, Curisch, Curisch, Curisch, Curisch,
PRINT INTERFACE	Direct print USB HDMI** Audio video output Remote input External microphone input Microphone Speaker OSD language	PictBridge compatible USB 2.0 Micro-B microHDM Typp0 / VIERA Link Video Auto / AK / 1086p / 1080 / 720p / 576p 50Hz / 480p (60Hz) Video Auto / AK / 1086p / 1080 / 720p / 576p 50Hz / 480p (60Hz) Minitor -through 4.2 2/8-bit Whilit recording motion picture on the SD memory card in the camera unicl Molitor for committee Q 2.5 mm for remate Q 3.5 mm for remate Q 3.5 mm for remate Manual I selectable when attaching DMW-MS2 (optional). Streen, Wind-cut OFF / Standard / High Menaural Japanese, English, German, French, Italian, Spanish, Portuguese, Thai, Polids (Dech, Hungaran, Romanian, Natherlands, Curisch, Finnish, Dansk) Seedelsh, Greek, Hungaran, Romanian, Natherlands, Curisch, Finnish, Dansky Seedelsh, Greek, Hungaran, Romanian, Natherlands, Curisch, Curisch, Curisch, Curisch, Curisch, Curisch,
PRINT INTERFACE	Direct print USB HDMIT* Audio video output Remote input External microphone input Microphone Speaker OSD language Battery Battery life (CIPA standard)	PictBridge compatible USB 2.0 Micro-B Micro-BOM Typed / VIERA Link Video Alter Set / 1080p / 1980 / 1720p / 576p150Hzl / 480p (66Hz) Video Alter Set / 1080p / 1880 / 1720p / 576p150Hzl / 480p (66Hz) White recording motion picture is the S0 memory card in the camera uncl. In the control of t
PRINT INTERFACE	Direct print USS HDMI** Audio video output Remote Input	PictBridge compatible USB 2.0 Micro-B microHDM Typp0 / VIERA Link Video Auto / AK / 1086 p / 1080 / 720 p / 576 p 50 Hz / 480 p (60 Hz) Video Auto / AK / 1086 p / 1080 / 720 p / 576 p 50 Hz / 480 p (60 Hz) Minitor strongs / 4.2 2/8-bit While recording motion picture on the SD memory card in the camera unicl. No 0 2.5 min for strender 0 3.5 min for strender 0 4.5 min for strender 0 4.5 min for strender 0 5.5 min for strender
PRINT INTERFACE	Direct print USB HDMIT* Audio video output Remote input External microphone input Microphone Speaker OSD language Battery Battery life (CIPA standard)	PictBridge compatible USB 2.0 Micro-B microHDM Typp0 / VIERA Link Video Auto / AK / 1086 p / 1080 / 720 p / 576 p 50 Hz / 480 p (60 Hz) Video Auto / AK / 1086 p / 1080 / 720 p / 576 p 50 Hz / 480 p (60 Hz) Minitor strongs / 4.2 2/8-bit While recording motion picture on the SD memory card in the camera unicl. No 0 2.5 min for strender 0 3.5 min for strender 0 4.5 min for strender 0 4.5 min for strender 0 5.5 min for strender
PRINT INTERFACE LANGUAGE POWER DIMENSIONS/ WEIGHT	Direct print USB HDMIT* Audio video output Remote input External microphone input Microphone Speaker OSD language Battery Battery Life (CIPA standard) Battery grip Dimensions (Wx H x D) Weight	PictBridge compatible USB 2.0 Micro-B Micro-B Micro-BOM Typed / VIERA Link Video Analy / AK / 1086p / 1080b / 120p / 576p150Hzl / 480p (66Hz) Video Analy / AK / 1086p / 1080b / 120p / 576p150Hzl / 480p (66Hz) Miniter conding motion picture on the SD memory card in the camera uncl. No Define the rimster Define the ri
PRINT INTERFACE LANGUAGE POWER DIMENSIONS / WEIGHT	Direct print USB HDMI** Audio video cutput Remote input External microphone input Microphone Speaker OSD language Battery Battery [IFA standard] Battery grip Dimensions (W.X.H.X.D)	PictBridge compatible USB 2.0 Micro-B Micro-BOM (1996) 7 VERS A Link micro-HOM (1996) 7 VERS A Link Micro-Lord (1996) 7 VERS A Lin
INTERFACE LANGUAGE POWER DIMENSIONS/ WEIGHT OPERATING	Direct print USB HDMIT* Audio video output Remote input External microphone input Microphone Speaker OSD language Battery Battery (IFA standard) Battery grip Dimensions (Wx H x D) Weight Operating temperature Operating temperature Operating humidity	PictBridge compatible USB 2.0 Micro-B Micro-BOM Typed / VIERA Link Wides Antol / Mr. / 1086p / 1080 / 720p / 576p[50Hz] / 480p (66Hz) Wides Antol / Mr. / 1086p / 1080 / 720p / 576p[50Hz] / 480p (66Hz) Wides Antol / Mr. / 1086p / 1080 / 720p / 576p[50Hz] / 480p (66Hz) Miller recording motion picture on the S0 memory card in the camera unic. No 3.5 mm let re-main let on the S0 memory card in the camera unic. No 3.5 mm let re-main let on the S0 memory card in the camera unic. No 3.5 mm let re-main let on the S0 memory card in the camera unic. No 3.5 mm let re-main let on the S0 memory card in the camera unic. No 3.5 mm let re-main let on the S0 memory card in the camera unic. No 4.5 mm let re-main let on the S0 memory card in the camera unic. No 4.5 mm let re-main let on the S0 memory card in the S0 memory



LUMIX G85

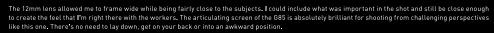




THE ONE FOR THE ADVENTURE

easiest shooting situations. That's why I use the LUMIX G85 for shooting my adventurous moments in the field. The 5-axis Dual I.S. 2 counters handshake blur as I follow fast-moving subjects. 4K PHOTO and DFD AF secure the precise instants compact and light for keeping to hand at all times, as well as splash and dustproof for weathering the elements. The generous size and response of the OLED LVF makes subject-tracking a delight, while the stable grip lets me shoot confidently and ambitiously. Results are recorded in superb high-definition by the MOS sensor without Low-pass filter. All these functions and specs turn this camera into part of the adventure - all for the sake of a surprising moment. Enjoy active photography with the LUMIX G85.





LEICA DG SUMMILUX 12mm / F1.4 ASPH. (1/8000sec, F2.0, ISO 200)





Mitchell Kanashkevich

seeking adventure and ways to learn and interact with cultures own. Photography became a great



12mm lens and the perspective I shot from. The articulating screen was important. If I had to look through a viewfinder or a non-articulating screen, I'd need to lay down on the ground next to the fire. With the G851 crouched, twisted the screen, placed the camera very close to the ground and could comfortably wait for the right moment to make my exposure.



STABILIZATION

NO MORE BLUR EVEN WHEN SHOOTING ONE-HANDED



Intelligent control of stabilization in both body and lens.

5-axis* Dual I.S. 2 (Image Stabilizer)

 5-Axis Dual I.S. 2 works when attaching the lens that complies with it. The compliant lenses are H-F514140 and H-F512060 as of 19 September, 2016. Firmware update of the lens is also required.

[Allows 5-stop* slower shutter speeds]

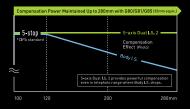
The LUMIX G85 has a high-precision gyrosensor and new algorithm making it possible to achieve 5-stop compensation (maximum) and shoot whatever the lighting. This is then intelligently balanced and optimized with in-lens shake correction, covering every shooting situation.

* Based on the CIPA standard. Yaw/Pitch direction: focusing distance f=50-140mm (35mm film camera equivalent f=100-280mm), when H-FS14140 is used.



[From wide-angle to tele-end]

With such powerful technology, sharp blur-free results are achieved even when following a fast moving subject with one hand. More importantly, through the perfect combination of body and optical image stabilizers—with the Body I.S. able to stabilize wide-angle shots, and the O.I.S. built to cope with any focal length—the 5-axis Dual I.S. 2 is highly effective whether shooting wide-angle or telephoto. 5-axis Dual I.S. 2 is not only effective for stills but also for video recording and 4K PHOTO.



Further reduced shutter stock

Electromagnetic Shutter Unit

The electromagnetic drive in the shutter unit reduces shock caused by the movement of the shutter diaphragm and also minimizes the shutter sound. Together with the solid magnesium front, the total shutter shock is reduced by approx. 90% compared with its predecessor, the 67/670. This is effective for highly sensitive shoots when it is important to suppress blurring at a pixel level.





ULTRA HIGH-SPEED RESPONSE

YOUR PRECIOUS MOMENTS PRESERVED PERFECTLY











Technology that freezes every moment in full detail

4K PHOTO



Shoot a continuous 30 fps burst, then choose and extract the exact frames you want. This assures a way to capture perfect spur-of-the-moment shots that were not possible in conventional cameras, and the operation is delightfully intuitive simply touch, drag and extract. Each frame is saved and prints crisply even in A3 size. 4K PHOTO can be shot in your aspect ratio of choice 16:9, 4:3, 3:2, or 1:1. Choose the best mode to shoot with, from 4K Burst, 4K Burst (Start/Stop) and 4K Pre-Burst, each of which offer a smart solution to different subject situations.

4K Burst allows almost unlimited 30 fps ultrahigh burst rate shooting by simply holding down the shutter button, then releasing to stop.

4K Burst S/S (Start/Stop) is for unpredictable scenes. Press the shutter button to start consecutive shooting, press again to stop.

4K Pre-Burst is for unpredictable moments that happen suddenly. Recording begins one second before and after the button is pressed.



Cut out 4K Photo images as a JPEG group

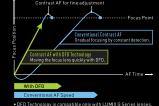
4K PHOTO Bulk Saving

You don't need to check through your recorded 4K PHOTO images one by one on the monitor to find the perfect frame you want. Simply select a frame, and the 5 seconds of images immediately after it will be saved for later slideshow playback on a large monitor so you can identify the most perfect shot at your leisure. Save this bulk selection to group management while keeping continuous playback capability.

Never miss ultra-fast moments

0.07-Sec AF with DFD Technology

The LUMIX G85's split-second crystal sharpness is achieved by combining conventional autofocus which analyses the contrasts within an image, and Depth From Defocus (DFD) technology*1 which predicts the focal point by comparing two images with different sharpness levels. Whether shooting photo or video, focusing becomes smoother and wobble is minimized while continuous focus stability is improved. This lets you catch even the most fleeting shutter opportunities thanks to an ultra high-speed AF of approx. 0.07 sec*2. Together with the Contrast AF system, and supported by a LUMIX G lens capable of digital signal communication with a maximum of 240 fps, fast and smooth focusing is assured.



*1 Contrast AF with DFD Technology works only with Panasonic Micro Four Thirds lenses.
*2 In AFS, at wide-end with H-FS14140 (based on the CIPA standard)

Full resolution continuous bursts to capture moments too fast for the eye to see

Burst Shooting

For tracking fast moving subjects, and moments not visible to the naked eye, high-speed burst shooting — with the mechanical shutter at 9 fps (AFS) / 6 fps (AFC) — is achieved in stunning resolution thanks to high-speed image processing between the 16.0-megapixel Digital Live MOS Sensor and Venus Engine. The maximum number of burst images has been improved up to 300 JPEGs and 45 RAW images or more.

Choose and change AF functions according to the subject

AF Functions

The 1-Area Focus Points of the LUMIX G85 allow flexible compositions. The size of these points can be adjusted easily and Custom Multi AF lets you select those you wish to use. When video recording, the camera focuses on the face and, for stills, Face/Eye Detection AF automatically detects eyes in addition to the face. Also, Low Light Auto Focus makes it possible to focus on subjects more precisely even in -4EV low light situations. In addition, the LUMIX G85 fully integrates Starlight Auto Focus for improved imaging of the night skies.

Visually check the precise point of focus

Focus Peaking

Focus Peaking is handy when you need more precise focusing. It displays the focusing peak in real-time for MF and AF+MF mode when shooting still images or videos. The function can be set to High, Low or Off, and the display color can also be chosen to match the shooting situation.







DESIGN & CONTROLS

DESIGNED FOR OUTDOOR SHOOTING



Designed to be tough

Magnesium Alloy Front Frame

The LUMIX G85 body adopts a rugged design with a magnesium alloy full die-cast front frame, making it lightweight yet durable and a perfect companion outdoors, tough enough to withstand even heavy field use.

Rugged durability for harsh conditions Splash / Dustproof Design

The LUMIX G85 achieves ruggedness with all seams, dials and buttons weather-sealed for splash and dustproof reliability. Then, with a Panasonic splash / dustproof lens attached you can venture out with complete confidence to shoot in any weather situation or environment.

Outdoor subjects so much easier to see

0.74x Large, High-Speed OLED LVF with 20mm Eye Point

This 2,360K-dot OLED LVF viewfinder, approx. 0.74x magnification (35mm camera equivalent), is a newly introduced 'Power Saving LVF' featuring a time-adjustable sleep mode to enable longer battery life of approx. 800 images*. The high-resolution performance shows the finest detail and high-speed display eliminates time lag so that fast moving subjects can also be captured. Furthermore, the improved and wider 20mm eye point makes it easier for those wearing glasses.

*Under the test conditions specified by Panasonic based on CIPA standard. When the time for sleep mode is set to 3 sec.

Greatly expand your compositional possibilities

1,040K-dot Free-angle Touchscreen LCD

Not only is this a large 3.0-inch, approx. 1,040K-dot, high-resolution static-type touch monitor with approx. 100% field of view, it is also a free-angle monitor, highly practical and flexible for creative scene compositions. Enjoy artistic framings or unusual perspectives such as low-angle views from ground level.

Extra stability for single-hand shooting

Grip and Dials

To make operation more intuitive, the LUMIX G85 has an overall ergonomic design. The snug, solid hand-fitting grip makes it stable to hold, even in one hand. The front/rear dual dial system with dial operation switch enables direct setting changes. Two Custom Modes (C1 and C2) on the mode dial make it quick and easy to access the target menu. The Battery Grip extends battery life for longer shooting, while the specially considered design makes the LUMIX G85 easy to hold for both horizontal and vertical angle shooting.

* Battery pack is included in DMW-BGG1.







IMAGE QUALITY

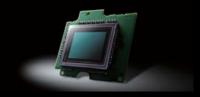
VIBRANT TRUE-TO-LIFE IMAGING

The power to reproduce beauty at astonishing new levels

Digital Live MOS Sensor and Venus Engine

Gain vibrant, truly realistic and high quality images with excellent resolution, high contrast, and impressive color reproduction. By combining a 16.0-megapixel Digital Live MOS Sensor with the Venus Engine and eliminating the low-pass filter, a 10%* resolution improvement has been achieved.

^{*} Panasonic comparison with the DMC-G7/G70





Low noise, high sensitivity shooting

Up to **I**SO 25600

The LUMIX G85 minimizes noise even at a high sensitivity setting for low light situations, even to a maximum of ISO 25600. With the LUMIX G85 body complemented by a LUMIX lens built to the highest Leica standards, subjects are faithfully reproduced in superb resolution. Now you can take everything from portraits and indoor scenes to sweeping landscapes — every shot captured as a crisp, highly detailed image with high contrast and impressive color reproduction in true-to-life quality.

Seductive tones like a classic black-and-white film

L Monochrome

L Monochrome is an exciting new setting to Photo Style, offering impressive B/W images with the deep blacks and rich monotone gradation of a classic black-and-white film. The Venus Engine reproduces vibrant, impressive colors by fine tuning hue, saturation, and luminosity separately.





VIDEO PERFORMANCE

IMPRESSIVE RESOLUTION, CINEMATIC POWER



Stunningly impressive true-to-life image quality

4K Video Recordings

The LUMIX G85 is capable of recording stunningly smooth, high-resolution 4K video in 3840×2160 at $30p/25p [50 \, Hz] / 30p [60 \, Hz]$ or at 24p, in addition to Full-HD 1,920 x 1,080 $60p/50p [50 \, Hz] / 60p [60 \, Hz]$ videos with practical full-time AF.

Output images to an external monitor

4:2:2 / 8-bit* HDMI Live Output

While simultaneously recording video, the LUMIX 685 also enables real-time 4:2:2 / 8-bit image output to an external monitor or recorder via an optional HDMI cable. You can choose to output only the content itself or the content plus different settings data (depending on the display). The 3.5mm microphone socket is for high quality audio recording from an external microphone.

*Video is recorded in 4:2:0 / 8-bit on SDXC/SDHC Memory Card.

Movie like image expression

Cinelike Gamma

Gamma presets are now available in Creative Video mode. CINELIKE D and CINELIKE V let you shoot video with the same kind of rich image expression you only usually see in a movie theater.



Stable sound recordings

3.5mm Mic Socket

The LUMIX G85 has a 3.5mm general-purpose stereo microphone socket designed to absorb vibration to ensure stable sound recordings from an external microphone.



In-frame controls for smooth panning and stable zooming

4K Live Cropping

The LUMIX G85 also enables 4K Live Cropping for smooth digital panning and zooming when shooting video. Thanks to a computerized operation you can gracefully pan or zoom while the camera and lens stay physically fixed. You don't need special equipment such as a slider. To pan, simply set the specific framing positions of where to start and finish, then record. To zoom, simply set the end-subject framing.





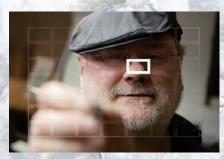
NEW PHOTOGRAPHIC STYLE

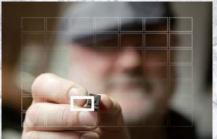
NEW FUNCTIONS MEETING ALL YOUR PHOTOGRAPHIC NEEDS

A new feature for selecting the best focus after shooting ${\sf Post}$ Focus



4K technology makes possible a Post Focus function which can refocus an image even after it has been captured. Simply take the shot, review it on the LCD monitor and touch the portion of the photo you wish to refocus as the main focal area.





Sharp focus through every image layer - even in macro

Focus Stacking

Focus stacking lets you control the depth of field of the image after shooting, by simply selecting the focusing area. A single shutter operation automatically shoots from points in front of the subject to others behind it. These images are then digitally processed in-camera to produce one blended image with ultra-sharp focus at every field depth. This is ideal for capturing the full anatomical details of an insect close-up — effective even with the shallowest depth of field.

Enhance the beauty of fireworks and night views

Light Composition

Get creative in the dark with 4K PHOTO's Light Composition function. After combining a stream of images, the brighter pixels are automatically combined to produce a single dramatic image. This process can now all be done in-camera.

Other Features of the LUMIX G85

Easy wireless connectivity with smartphones Wi-Fi®



The LUMIX 685 integrates Wi-Fi® connectivity (IEEE 802.11 b/g/n) to offer a more flexible shooting experience and instant, simple image sharing. After connecting the camera to you smartphone (or tablet device) and installing Panasonic's dedicated application Panasonic Image App for iOS® / Android™ you can operate the camera, share your images or browse the results remotely.

• The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.



Shoot with the option to select the best settings later Focus / Aperture / Exposure / WB Brackets

New Focus Bracket and Aperture Bracket options are now available, alongside the Exposure and While Balance Brackets, allowing you to select the best settings later. The Focus Bracket saves up to 999 images with different focus points to choose from, and the Aperture Bracket takes multiple shots with different depths of field.



COMPATIBLE LENSES FOR THE LUMIX G85



Splash/Dust Proof Lenses





🔋 LEICA DG SUMMILUX 12mm / F1.4 ASPH. (H-X012)



LUMIX G VARIO 12-60mm / F3.5-5.6 ASPH. / POWER O.I.S. (H-FS12060)



LUMIX G X VARIO 35-100mm / F2.8 / POWER 0.1.S. (H-HS35100)



LEICA DG VARIO-ELMAR 100-400mm / F4.0-6.3 ASPH. / POWER O.L.S. (H-RS100400)

Other Lenses



LEICA DG SUMMILUX 15mm / F1.7 ASPH.



LUMIX G X VARIO PZ 14-42mm / F3.5-5.6 ASPH. / POWER O.I.S.



LEICA DG SUMMILUX 25mm / F1.4 ASPH.





LUMIX G VARIO 14-42mm / F3.5-5.6 II ASPH. / MEGA O.I.S. (H-FS1442A)





LEICA DG NOCTICRON 42.5mm / F1.2 ASPH. / POWER 0.I.S.











LEICA DG MACRO-ELMARIT 45mm / F2.8 ASPH. / MEGA O.I.S. (H-ES045)







LUMIX G VARIO 14-45mm / F3.5-5.6 ASPH. / MEGA O.I.S.





LUMIX G FISHEYE 8mm / F3.5 [H-F008]







LUMIX G VARIO 35-100mm / F4.0-5.6 ASPH. / MEGA O.I.S.





LUMIX G 14mm / F2.5 || ASPH.







LUMIX G VARIO 14-140mm / F3.5-5.6 ASPH. / POWER O.I.S. (H-FS14140)





LUMIX G 20mm / F1.7 II ASPH.







LUMIX G VARIO 45-150mm / F4.0-5.6 ASPH. / MEGA O.I.S.







LUMIX G 25mm / F1.7 ASPH.









LUMIX G VARIO 45-200mm / F4.0-5.6 / MEGA O.I.S. *Limited Availability (H-F5045200)







LUMIX G MACRO 30mm / F2.8 ASPH. / MEGA O.I.S. [H-HS030]





LUMIX G X VARIO PZ 45-175mm / F4.0-5.6 ASPH. / POWER O.I.S.







LUMIX G 42.5mm / F1.7 ASPH. / POWER O.I.S.



LUMIX G VARIO 12-32mm / F3.5-5.6 ASPH. / MEGA O.I.S.



LUMIX G VARIO 100-300mm / F4.0-5.6 / MEGA O.I.S. (H-F\$100300)





LUMIX G VARIO 7-14mm / F4.0 ASPH.





LUMIX G 12.5mm / F12 (H-FT012)







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 Leica is a registered trademark of Leica Microsystems IR GmbH.

MAIN PARTS & CONTROLS





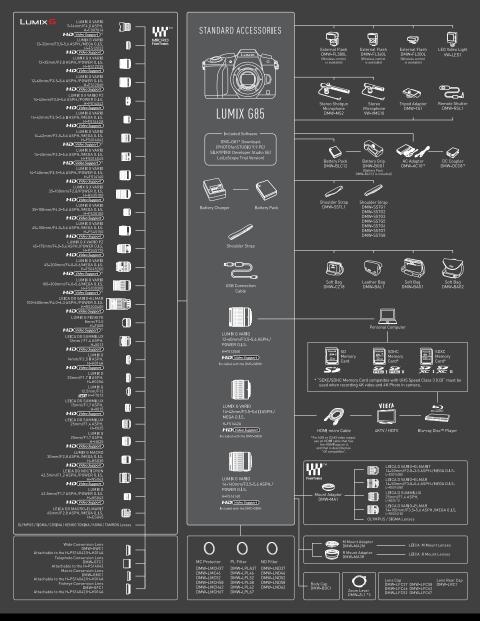


- 01 Self-timer indicator/AF Assist Lamp
- 02 Lens fitting mark
- 03 Flash
- 04 Shoulder strap eyelet
- 05 Lens release button
- 06 USB socket
- 07 [MIC] socket
- 08 [HDMI] socket 09 [REMOTE] socket
- 10 Lens lock pin
- 11 Sensor
- 12 Mount 13 Card door
- 14 Shutter button
- 15 Front dial
- 16 (Exposure Compensation) button/[Fn1] button
- 17 Motion picture button
- 18 Status indicator/Wi-Fi® connection lamp
- 19 Focus distance reference mark
- 20 Rear dial
- 21 Function button (Fn11)
- 22 Camera ON/OFF switch
- 23 Mode dial
- 24 Stereo microphone
- 25 Hot shoe (Hot shoe cover)
- 26 Flash open lever
- 27 Drive mode dial

28 [LVF] button/[Fn5] button

- 29 Diopter adjustment dial
- 30 Viewfinder
- 31 Eye sensor
- 32 Eyecup
- 33 [AF/AE LOCK] button
- 34 Focus mode lever
- 35 Speaker
- 36 [Q.MENU] button/[Fn2] button
- 37 [DISP.] button
- 38 (Playback) button
- 39 Cursor buttons
 /[ISO sensitivity]
 /[White Balance]
 /[Auto Focus Mode]
 /[Fn3]
- 40 [MENU/SET] button
- 41 Battery door
- 42 (Delete/Cancel) button/[Fn4] button
- 43 DC coupler cover
- 44 Release lever
- 45 Cover for the battery grip connector
- 46 Tripod mount
- 47 Touch screen/monitor

SYSTEM CHART



*1 The firmware update is recommended for more comfortable HD video recording.http://panasonic.jp/support/global/cs/dsc/English) *2 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *2 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/dsc/English) *1 AFS compatibility can be added with a firmware update. http://panasonic.jp/support/global/cs/mare update. http://panasonic.jp/support/global/cs/mare update. http://panasonic.jp/support/global/cs/mare update. http://panasonic.jp/support/global/cs/mare update. http://panasonic.gp/support/global/cs/mare update. https://panasonic.gp/support/global/cs/mare update. https://panasonic.gp/suppo