

Panasonic



THE ONE FOR YOU

CHANGING PHOTOGRAPHY **G**



GH4



G80 / G7



GX8 / GX80



GM5



GF7

LUMIX G BROCHURE AUTUMN 2016

LUMIX **G**

YOUR PERSONALITY.
OUR VARIETY.

CHANGING PHOTOGRAPHY **G**

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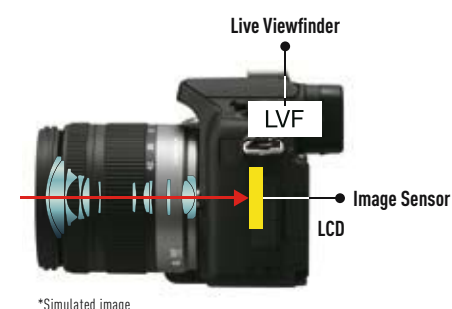
LUMIX G MAKES THE DIFFERENCE

EVERYTHING YOU NEED – AND NOTHING YOU DON'T NEED.

You could say that's what makes LUMIX G cameras so successful. These mirrorless interchangeable-lens models (DSLMs) have dispelled the myth that only complicated single lens reflex systems (DSLRs) can offer perfect picture quality, as well as the idea that only chunky bodies guarantee top performance.

That's because, in actual fact, eliminating the bulky single lens reflex Viewfinder is a plus. It makes way for what's really important: more picture quality, more precision, more handiness. It's a future technology that's perfect for a constantly evolving society.

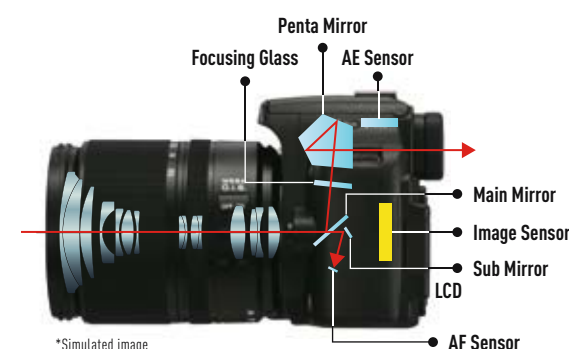
The LUMIX G system offers the right camera for everyone's needs. Photo and video enthusiasts who are looking for a modern and lightweight system can look forward to professional quality. LUMIX G technology delivers compact performance.



LUMIX **G**

LUMIX G DSLM

- + **Live Viewfinder** for real time image preview
- + **Mobility:** compact and lightweight system
- + **Autofocus:**
 - + Touch focus via display
 - + Fast Live View autofocus using Viewfinder and monitor
 - + Flexible focus points
 - + Precision autofocus for taking videos
- + **Silent shooting**



CONVENTIONAL DSLR

CONVENTIONAL DSLR

- Optical Viewfinder does not show picture preview or settings
- Mobility: bulky and heavy system
- Optical Viewfinder does not show picture preview or settings
- Autofocus:
 - No Touch Focus via display
 - Slow autofocus in Live View
 - Fixed focus points
 - Slow autofocus when shooting videos
- Sounds cannot be switched off



FLEXIBLE SYSTEM

FIND THE ONE FOR YOU

It would be odd if the digital revolution simply passed photography by. And it hasn't: purely digital and mirrorless interchangeable-lens systems (DSLM) are the stars of the photographic universe, free of the analogue heritage of complicated single lens reflex systems (DSLR).

Why be an old-fashioned photographer when you can be modern? Discover pioneering photography and find precisely the LUMIX G that suits you. And take a look at our numerous interchangeable lenses. A new level of freedom is within reach.



LUMIX G



LARGE SENSOR

THE HEART OF PICTURE QUALITY

LUMIX G cameras boast extraordinary picture quality and crystal-clear shots. There are many reasons for this, and one of them is the Live MOS sensor. Interacting with high-quality optics and a powerful processor, it lays the foundation for brilliant photographs.

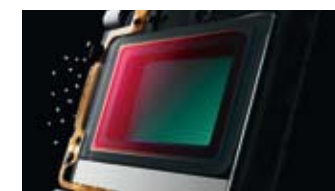
Size matters? Yes, but not only size. What is crucial is that sensor size, system set-up and image processing all match up. It is this interplay which has been optimised in the LUMIX G models. The result is that more and more photographers appreciate the modern aspects of our mirrorless system and use LUMIX G cameras for taking great shots.

Resolutions of up to 20,3 megapixels guarantee detailed picture quality. Clean colours also speak for themselves, as do balanced transitions without loss of resolution. And colour and luminance noise? It's effectively prevented even at high ISO ratings. So you can snap away without a care even in low light conditions.

Give free rein to your creativity – the Live MOS sensor gives you plenty of leeway and guarantees fantastic shots.



Large sensor
with 21.3 mm diameter



Ultrasound dust illumination

Dust it down: the fully automatic Supersonic Wave Filter is integrated into LUMIX G models. It utilises 80,000 vibrations per second to sweep away particles such as dust and dirt from the sensor. This means you can change your lens without worrying and still achieve unblemished pictures.



Image effects

Selective colour (red) image effect shown in the Viewfinder

LIVE VIEWFINDER

FOR TOTAL IMAGE CONTROL

Do not like to do things by halves? Then you're in the best company. LUMIX G's motto is: do things properly, or don't do them at all. Take the Viewfinder for instance. Because the image comes straight from the sensor, our Viewfinder is called Live Viewfinder (LVF) and shows precisely the field of view that the lens is currently capturing. They show it properly, in other words.

The LUMIX G is a true perfectionist in other ways as well. It displays every image effect and the results of white balance, colour effects, lighting and many other functions. Another benefit:

Unlike single lens reflex, when you focus manually, sections of the image are enlarged in the Viewfinder allowing you to concentrate on what's important, so you don't need to take your camera away from your eye to check settings.



LUMIX G
100 % field of view



DSLR
<100 % field of view

LUMIX G DSLM BENEFITS

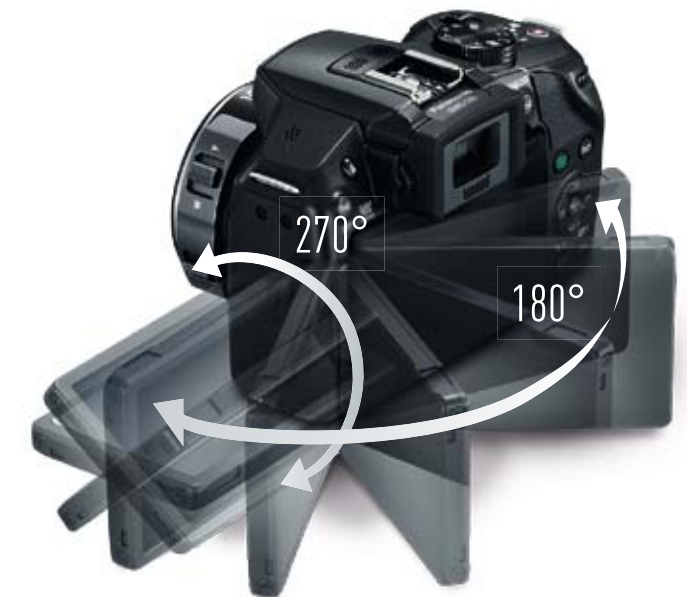
- + 100 % field of view
- + All image effects shown
- + The white balance and EV correction are immediately visible
- + Aspect ratios 4:3, 3:2, 1:1, 16:9 can be shown
- + Focus assist when focusing manually



DISPLAY

FREEDOM FOR NEW WAYS OF LOOKING AT THINGS

Get a new angle on your pictures. LUMIX G cameras are equipped with a flexible* display on the backside. While others have to bend to get creative shots, you get the perfect image straight in the box. Selfie, low angle or overhead shots – you can turn the LUMIX G whichever way you want and you'll always capture the perfect picture.



Selfie shots

A tiltable display is a true eye-opener when it comes to the popular selfie format. Because you can move it around the way you want, you'll find it easier to put yourself in the picture. No more limits on your creativity. You're free to do it yourselfie...



Low angle shots

Thanks to a vertically pivoting display you no longer have to go down on your knees to capture something small at eye-level. You'll soon discover how much fun it can be to take macro photos.



Overhead shots

For your next overhead shots you won't have to climb onto a chair or ladder to see the picture in your Viewfinder. Instead you've got a folding display. So while you stay firmly on the ground you can see things from a bird's-eye perspective. Clever, don't you think?



Display Guard – never get another scratch

Nothing is more annoying than getting a scratch on your display. Fortunately it won't happen to you now. After filming or photographing, simply fold in the LUMIX G display. Forewarned is forestalled.

LUMIX G DSLM BENEFITS

- + Shoot from any angle
- + All settings are shown directly
- + Intuitive Touch operation via the touchscreen

AUTOFOCUS & TOUCH DISPLAY

FOCUS ON THE TINIEST DETAILS

Frame up, focus, shoot – in some situations you’ve got to be quick otherwise you’ll miss the ideal picture. LUMIX G cameras have a super fast and precise autofocus. How does it work?

While DSLR cameras still work with a separate autofocus sensor – which can easily produce inaccuracies – the LUMIX G sensor performs autofocus as well. That’s how LUMIX G cameras achieve superb results in video and photography.

DEPTH FROM DEFOCUS (DFD) TECHNOLOGY – PRECISION AND CLARITY, ONLY QUICKER

The Depth from Defocus (DFD) technology achieves optimised focus within a split of a second. To achieve this, Panasonic has further developed its contrast autofocus.

The processor calculates the distance from the subject from two as-yet unfocused images with different depths of focus. Working together with the LUMIX G lens, the camera will then calculate the correct distance, focus on it and perform fine-tuning.

LUMIX G BENEFITS

- + **Fast and precise autofocus**
- + **No delay** in Live View
- + **Focus anywhere in the image**
- + **Intuitive focusing** by using the touchscreen

TOUCH DISPLAY – GET IN TOUCH WITH INTUITIVE OPERATION

Do you share our vision that a camera should be complex but not complicated? That’s why every LUMIX G model has a big touchscreen. It gives you a complete overview, and operating it is wonderfully intuitive.

Focus on details of your picture or make use of our practical auto-focus tracking – this feature follows your subject as it moves. Oh yes, and you can shoot using the display as well. One touch is enough – and click.

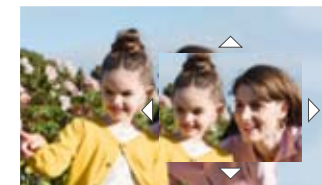


AUTOFOCUS MODES – OVERVIEW



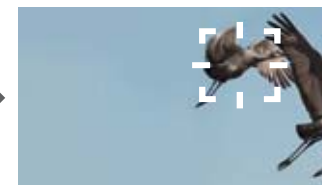
Pinpoint AF

Select spot autofocus from the menu and tap the area of the image area you want to focus on. Next, enlarge the picture to define exactly where you want to focus. Now all you have to do is shoot.



Manual focusing

Focusing can be done automatically or manually. Manual fine focusing is also possible in autofocus mode. Either way, a moveable touchscreen focus assist (picture in picture) makes precision focusing easier.



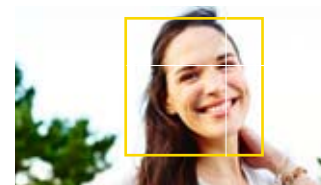
AF tracking

When this function is active, autofocus will follow the details of the subject which you have touched (the bird in this example). This is especially useful when shooting a video.



1-Area / 49-Area AF

In 1 field mode, the autofocus focuses on an area of the field of view. In 49 field AF, the LUMIX G automatically selects one or more of 49 fields.



Face / Eye detection

Your LUMIX G doesn't just recognise faces. With a tap of the finger the camera can also focus on details – now even eye recognition is possible.



Focus peaking – the ultimate focus test

The new LUMIX G helps you wherever it can – including when you focus manually. The edges of the picture area you have selected are highlighted in colour on the display so that you can see straight away whether the right details are in focus. Now that's what we call a good photographic assistant...



4K 4K VIDEO

4K RESOLUTION – THE KEY TO PERFECT VIDEOS

Feel for a great documentary? Then why not film one yourself? If you want you can do it in 4K Ultra HD. That means a spectacular $3,840 \times 2,160$ pixels and up to 30 frames per second. We know that the ultra-clear video quality of LUMIX G cameras will bowl you over from the very first scene. With its intuitive operation and extraordinary professionalism, the LUMIX G will make you a star director in a flash.

Choose between formats like MOV, MP4, AVCHD Progressive and AVCHD as well as lots of different frame rates. Pros will love the fact that the GH4 can even show pictures on an external monitor or send them to a hard drive in real time using a Micro HDMI cable while you shoot.

LUMIX G BENEFITS 4K VIDEO

- + **Higher resolution, realistic image** on 4K TVs
- + **Fantastic picture** on Full HD TVs as well
- + **Video editing with lots of benefits:**
Full HD cut-out from 4K image, subject tracking, zooming, balancing skew horizons



4K vs. Full HD

Whether you watch videos or edit your own, 4K offers the sharpest viewing experience you have ever had. 4K Ultra HD resolution achieves four times the quality of Full HD. That means more details, more colours and more depth of focus.

LUMIX G CAMERAS WITH FULL HD VIDEO

But all the other LUMIX G models are great at shooting movies, too – just like you. Simply press the Direct Video button and they take brilliant Full HD picture quality videos almost by themselves.

An intelligent automatic mode immediately recognises the situation and selects a suitable image program. Stop limiting your creativity – the LUMIX G certainly doesn't.



4K PHOTO & POST FOCUS

4K PHOTO – CAPTURE THE PERFECT MOMENT

4K isn't just attractive to filmmakers, this revolutionary quality also offers new possibilities to photographers. Its high-resolution allows you to extract high quality still images and save them as JPEGs. With frame rates of up to 30 frames per second, you can be sure to capture that perfect moment.

You're assisted in doing so by our 4K modes. In 4K Burst mode, the cameras shoot without limit in 4K, rather like continuous shooting at full resolution. The 4K Burst (Start/Stop) mode begins shooting when you press the shutter release and stops when you press it again.

LUMIX G BENEFITS 4K PHOTO

- + Extract a still image from a Video
- + **Faster frame** rate than in burst shooting
- + Never miss a **perfect moment** again

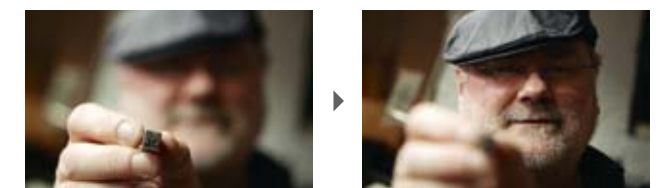
LUMIX G POST FOCUS BENEFITS

- + Select the ideal focal plane, **later on after shooting**
- + More **creative freedom** and perfect photographs

POST FOCUS – SHOOT NOW, FOCUS LATER

The Post Focus feature allows you to focus on any number of different areas of an image – even after the picture has been taken. Serial exposures in 4K resolution are taken at 30 images per second, and the focus moves through as many as 49 areas with different focal points – from near to far. After that you simply touch the area you want to focus on and the image is focused automatically. As soon as the focused and unfocused areas of the image are the way you want them, you can save the shot as a separate photograph.

That means you can decide later about where your focal plane (or planes) should lie. This feature also provides assurance when photographing difficult subjects, such as macro shots.



Post Focus
Focused up front or further back?
Post Focus opens up completely new possibilities.



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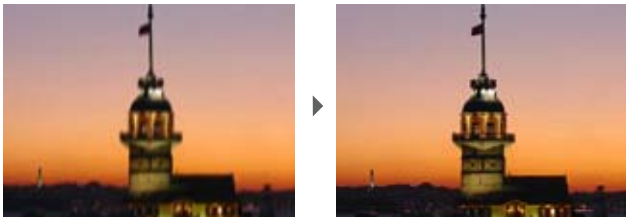


OPERATION

SOUNDLESS, WIRELESS, FAULTLESS – THE LUMIX EXPERIENCE

DUAL IMAGE STABILISER (DUAL I.S.)

This technology is the first to combine image stabilising features in the lens and the sensor to better compensate for camera shake. Many LUMIX G lenses are already equipped with optical image stabilisers, which allows every LUMIX G camera to take more stabilised images especially in telephoto shots. In the GX8 and GX80, DUAL I.S. and in G80 the new DUAL I.S. 2 (5-Axis) achieves even better photography results and shake-free shots. The leeway for shake is increased by up to 3.5 times in wide-angle shots (1.5 times in telephoto shots), which makes these cameras ideal for long focal lengths and low lighting.



Conventional Image Stabilisation

Dual Image Stabilisation

WI-FI AND NFC™ – WIRELESSLY CONNECTED

LUMIX G cameras are smart devices which suit your networked lifestyle perfectly. With integrated Wi-Fi they offer some great features and make photography wonderfully flexible. For example, you can control your LUMIX G fully using your mobile device.

Upload your holiday images straight onto social networks or archive them on your mobile phone. Your LUMIX G also masters NFC™ – Near Field Communication, which means you simply have to hold your camera next to your smartphone and the two devices begin to interact. It doesn't get much smarter than that.

LUMIX G VORTEILE

- + Effectively prevents shaky images
- + Connects **wirelessly** to external devices
- + **Silent photography** without annoying clicks
- + **Beginner-friendly** fully automatic option

SILENT SHUTTER

Every LUMIX G model comes with the Silent Shutter feature. It's great if you don't want to disturb the scenery with annoying clicks or draw unwanted attention to yourself. Think, for example, of formal moments at a wedding. Animal photography is also much easier because there are no unwanted noises to unsettle the subject. It's details like these that can make an extraordinary difference – the difference between an almost perfect photo and an absolutely perfect one.



INTELLIGENTLY AUTOMATIC

They say the first step is always the hardest, but it isn't with the LUMIX G. Its intelligent automatic mode (iA) relieves beginners of every complicated camera setting.

That means face recognition, ISO control, contrast and autofocus tracking of moving subjects are all regulated by the LUMIX G on its own. If you just want to take things step by step, you can change functions such as depth of field, brightness and colour using the touchscreen or the menu cross. As you can see, professional photography can be child's play.



Scene recognition: macro

TECHNICAL COMPARISON

	GH4	G80	G7	GX8	GX80	GM5	GF7
SENSOR							
Micro Four Thirds Sensor	16MP	16MP	16MP	20.3MP	16MP	16MP	16MP
VIEWFINDER							
Viewfinder	OLED VIEWFINDER	OLED VIEWFINDER	OLED VIEWFINDER	OLED VIEWFINDER	OLED VIEWFINDER	LCD VIEWFINDER	
DISPLAY							
Free-angle / Tilttable display	FREE-ANGLE-DISPLAY	FREE-ANGLE-DISPLAY	FREE-ANGLE-DISPLAY	FREE-ANGLE-DISPLAY	TILTING DISPLAY		TILTING DISPLAY
Touch operation							
AUTOFOCUS							
Autofocus	DFD-AF	DFD-AF	DFD-AF	DFD-AF	DFD-AF	AF	AF
Focus peaking							
4K FUNCTIONS							
4K Video	4K	4K	4K	4K	4K		
4K PHOTO	4K PHOTO	4K PHOTO	4K PHOTO	4K PHOTO	4K PHOTO		
Post Focus	POST FOCUS	POST FOCUS	POST FOCUS	POST FOCUS	POST FOCUS		
OPERATION							
Wi-Fi	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED	Wi-Fi CERTIFIED
NFC™	N			N			
Intelligent automatic mode	iA+	iA+	iA+	iA+	iA+	iA+	iA+
Silent shutter							
Image Stabiliser		DUAL I.S. 2		DUAL I.S.	DUAL I.S.		
Hot shoe							
Built-in flash							
Splash and dust proof							

*External flash supplied

LUMIX | Ambassadors

On the following pages you can discover stunning images taken by our LUMIX Ambassadors showcasing their creative skills who benefit from all the functions and features of Panasonic's LUMIX G range of cameras.



LUMIX GX80
Olivier Lavielle



LUMIX GX8
Marco Crupi



LUMIX GX8
Daimon Xanthopolous



LUMIX GM5
Jonas Borg



LUMIX G80
Mitchell Kanashkevich



LUMIX GX8
Mikolaj Nowacki



LUMIX GX80
Joseph Linaschke

THE ONE FOR YOU

CHANGING PHOTOGRAPHY **G**

GH4
THE ONE
RE-IMAGINING FILMMAKING

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THE ONE
FOR THE ADVENTURE

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THE ONE
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GX8
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GX80
THE ONE
CAPTURING LIFE ON THE MOVE

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GM5
THE ONE
WITH VISIONARY STYLE

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GF7
THE ONE
THAT'S GOT THE LOOK

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4K GH4

FOR PROFESSIONAL 4K VIDEO AND PHOTO REQUIREMENTS

The LUMIX GH4 is a favourite among photo enthusiasts, and it's especially appealing to filmmakers as well. 4K resolution produces outstanding video quality. The camera's features are abundant and it's toughly built.

THE ONE RE-IMAGINING FILMMAKING

CHANGING PHOTOGRAPHY **G**

TECHNICAL HIGHLIGHTS OF THE LUMIX GH4

- **16MP Live MOS Sensor** – outstanding image quality
- **4K/FHD Video** – shoot videos at highest bit rates up to 200Mbps
- **Professional Connectors** – flash synchronisation, Battery grip, HDMI live output and much more
- **Depth from Defocus (DFD) Autofocus** – fast and precise
- **Free-angle Touchscreen** – 7,5 cm large display with 1.04 MP
- **Live Viewfinder (LVF)** – perfectly frame your shots
- **Magnesium alloy** – dust- and splash-proof
- **Further highlights:** RAW processing, focus peaking, burst shooting 12 f/s, Wi-Fi functionality and NFC™



4K Video and connectors



The GH4 is big on making connections. Microphone, headphones, external monitor – this camera is ready for everything. Like every true professional it uses SD memory cards of the new UHS speed category 3 for 4K Video recording. And by the way, you can fulfil the highest video requirements by connecting to a Panasonic Video Interface*. It seems that photo and video experts have finally met their match in the GH4.

Unmatched autofocus (DFD)



The GH4 really gets going with its Depth from Defocus (DFD) technology. This contrast autofocus system determines the distance from a subject by evaluating two images which have not yet been focused. Working with the lens, the camera can then calculate the distance in a flash and perform fine-tuning. This reduces response times dramatically, so you'll always be ahead when it comes to focusing and shooting.

Tough magnesium alloy



Hard shell, soft core – an apt description of the GH4. The LUMIX G can take all sorts of knocks from the outside because of its tough magnesium alloy frame, making it a match for any shooting scenario. The GH4 is also safe from dust and water splash because of its excellent seals. As you can see, this top camera is ready for all kinds of action.

The LUMIX GH4 in brief



1: Synchronising connector for flash systems; **2:** Ultra-sharp, quick-responding OLED Viewfinder; **3:** Freely rotating and pivoting OLED monitor with practical touch function; **4:** First dial for settings such as aperture/shutter speed; **5:** Stereo mic with Dolby Stereo Sound; **6:** Second dial for settings such as aperture/shutter speed; **7:** Wi-Fi access indicator; **8:** Direct access button for white balance, ISO setting and exposure compensation

* DMW-YAGH.

Available in the following colours



4K G80

THE ONE FOR THE ADVENTURE

When life's adventures take you places, you need a camera that can keep up. Perfect for outdoor shooting, the Dual Image Stabiliser helps you take crisper, clearer images in difficult or fast-moving environments, while the splash and dust proofed compact body and kit lens allow for huge flexibility wherever your trip takes you.

THE ONE FOR THE ADVENTURE LUMIX G

TECHNICAL HIGHLIGHTS OF THE LUMIX G80

- **16MP Live MOS Sensor** – without low pass filter
- **DUAL I.S.2 (5-axis)** – combining body and lens stabilisation
- **4K Video** – recording in ultra high res
- **4K PHOTO** – never miss the perfect moment
- **Post Focus** – Shoot now, focus later
- **Depth from Defocus (DFD) Autofocus** – fast and precise
- **Free-angle Touchscreen** – 7,5 cm large display with 1.04 MP
- **Live Viewfinder (LVF)** – perfectly frame your shots
- **Splash and dust proof** – uncompromising in every situation


NEW

DUAL I.S. image stabiliser



The LUMIX G80 integrates DUAL I.S. 2 (Image Stabiliser)*¹, combining body and lens stabilisation to gain more powerful handshake correction and compensating your shots up to 5 F-Stops*². The 5-axis stabilisation works in both wide and telephoto photography and motion picture recording including 4K Video.

*¹ DUAL I.S. 2 available with lens firmware upgrade.
*² Based on the CIPA standard.

4K PHOTO



The 4K PHOTO feature on the LUMIX G80 allows you to capture the perfect moment by selecting a frame from a video sequence (shot at 30fps) in camera, and saving it as an individual high-res image. Simply shoot, select and save, to make those fleeting moments unmissable in every sense.

Splash and dust proof



Rugged enough to withstand even the most challenging environments, the LUMIX G80 boasts a splash / dustproof body and kit lens. With the latest features condensed into a compact and mobile design, it gives you the flexibility and freedom to never stop exploring.

The LUMIX G80 in brief



1: Popup flash release; 2: OLED Viewfinder; 3: Rotating / pivoting touch LCD; 4: Accessory shoe; 5: Focus switch; 6: Mode dials; 7: Multi control dials

Available in the following colours



4K G7

FOR A NEW ALLIANCE BETWEEN PHOTO AND VIDEO

The LUMIX G7 takes photography a step further. It combines photo and video at a new level of quality. And with its 4K resolution it offers the stuff that photographic dreams are made of. Discover the LUMIX G family's multi-talented member today.

THE ONE INTRODUCING 4K TO EVERYONE

CHANGING PHOTOGRAPHY

G

TECHNICAL HIGHLIGHTS OF THE LUMIX G7

- **16MP Live MOS sensor** – for brilliant picture quality
- **4K Video** – for the very best detailed clarity
- **4K PHOTO** – never miss the perfect moment
- **Depth from Defocus (DFD) Autofocus** – fast and precise
- **Live Viewfinder (LVF)** – perfectly frame your shots
- **Free-angle Touchscreen** – 7,5 cm large display with 1.04 MP
- **Burst Shooting at 8 f/s and full resolution** – for faster shots
- **Wi-Fi functionality** – smart control via your smartphone or tablet



4K PHOTO and Video



Now you'll never miss the perfect shot again. Thanks to the 4K PHOTO function, you can extract a still image from a video sequence. That means you're accessing a wealth of pictures taken at 30 images per second – any of which could make a dazzling 8 megapixel image for your photo album.

OLED Viewfinder and touchscreen



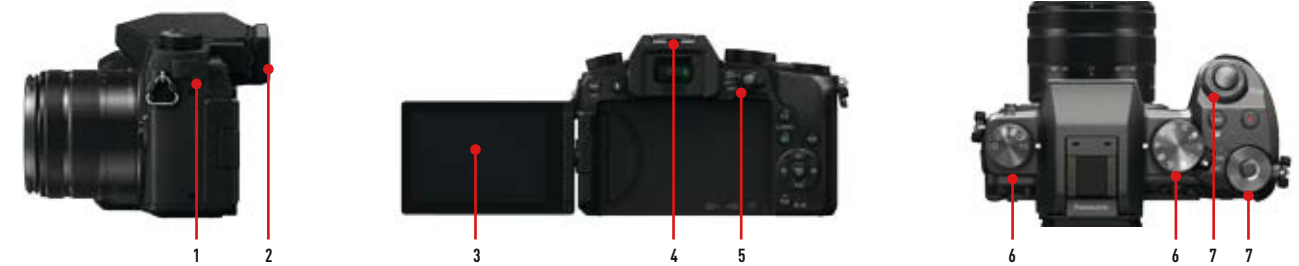
Like a bit of clarity? 2.4 million pixels in the G7's Viewfinder will help you get it. This is enabled by OLED technology. The backside display ensures that when you seek, you also find. The reproduced image automatically switches between the Viewfinder and display by means of an eye sensor. As you can see, the G7 adjusts itself to you in every sense.

Fast autofocus (DFD)



Fast and accurate – that's how we all want autofocus to be. But the hybrid contrast autofocus is even quicker and more precise. This is because of Depth from Defocus (DFD), which reduces focusing time and achieves a shooting delay of no more than 0.07 seconds. The G7's speed is of course especially useful when your aperture goes up.

The LUMIX G7 in brief



1: External microphone input; **2:** OLED Viewfinder; **3:** Rotating / pivoting touch LCD; **4:** Accessory shoe; **5:** Focus switch (choose between AFS / AFF / AFC / MF); **6:** Mode dials; **7:** Multi control dials

Available in the following colours



4K GX8

FOR 4K EXCELLENCE AND CONSTANT READINESS

You don't get a second chance to make a first impression. Not that the GX8 needs a second chance: its appealing retro look quickly gets heads turning. Thanks to its new 20 megapixel sensor and dual image stabilisers, what begins with fascination will quickly turn to delight once you've taken your first photographs.

THE ONE TAKING INCREDIBLE IMAGES

CHANGING PHOTOGRAPHY **G**

TECHNICAL HIGHLIGHTS OF THE LUMIX GX8

- **20MP Live MOS sensor** – for our very best picture quality
- **DUAL I.S.** – combining body and lens stabilisation
- **4K Video** – for the very best detailed clarity
- **4K PHOTO** – never miss the perfect moment
- **Depth from Defocus (DFD) Autofocus** – fast and precise
- **Tiltable Live Viewfinder (LVF)** – perfectly frame your shots
- **Free-angle Touchscreen** – 7,5 cm large display with 1.04 MP
- **Splash and dust proof** – uncompromising in every situation



DUAL I.S. image stabiliser



Stability means strength – and that applies to photography as well. The DUAL I.S. image stabiliser means that an unsteady camera doesn't impact the shot negatively. This is the first time that an image stabiliser has been united in the lens and sensor-shift so as to better compensate for wobbling.

20,3 megapixel sensor



The GX8's picture quality is breathtaking. A new 20,3 megapixel MOS sensor will have in you raptures. And together with our newly developed Venus Engine processor, it forms a genuine dream team, achieving exceptionally true colours and enormously detailed clarity. In short: moving pictures.

4K PHOTO and Video



4K resolution produces pictures of a completely new quality. But this camera's photo and video features are also pioneering. You can choose from various continuous shooting modes, depending on the subject. And better still, shoot in video mode then extract your dream photo from the movie.

The LUMIX GX8 in brief



1: HDMI, AV OUT/DIGITAL, remote/mic socket; **2:** Free-angle OLED touch display; **3:** Large tiltable OLED Viewfinder with eye sensor; **4:** Focus switch; **5:** Hot shoe; **6:** Double function dial: mode selection and exposure control; **7:** Rear adjustment dial; **8:** Front adjustment dial and shutter release; **9:** Shutter release for video

Available in the following colours



4K GX80

CAPTURING LIFE ON MOVE

When searching the streets for inspiration, the LUMIX GX80 reacts as quickly as you do. Dual Image Stabiliser helps you take crisper, clearer images in difficult or fast-moving environments, while the Post Focus function gives you the freedom to choose the focus point even after you have taken the shot.

THE ONE CAPTURING LIFE ON MOVE

CHANGING PHOTOGRAPHY



TECHNICAL HIGHLIGHTS OF THE LUMIX GX80

- **16MP Live MOS Sensor** – without low pass filter
- **DUAL I.S. (5-axis)** – combining body and lens stabilisation
- **4K Video** – recording in ultra high res
- **4K PHOTO** – never miss the perfect moment
- **Post Focus** – Shoot now, focus later
- **Depth from Defocus (DFD) Autofocus** – fast and intuitive focusing
- **Tiltable Touchscreen** – 7,5 cm large display with 1.04 MP
- **Live Viewfinder (LVF)** – perfectly frame your shots



4K PHOTO



Our 4K PHOTO feature lets you capture the perfect moment by selecting a frame from a video sequence (shot at 30fps) in camera, and saving it as an individual high-res image. Simply shoot, select and save, to make those fleeting moments unmissable in every sense.

DUAL I.S. image stabiliser



Ideal for capturing life on the go, the LUMIX GX80 integrates DUAL I.S. combining body and lens stabilisation to gain more powerful handshake correction and compensating your shots. The 5-axis DUAL I.S. works in both wide and telephoto photography and motion picture recording including 4K Video.

Tiltable display



Thanks to its tiltable LCD display on the backside of the camera, you can control your shots and set focus without looking through the viewfinder. This makes the camera perfect for unnoticed street photography.

The LUMIX GX80 in brief



1



2

3



4

5

6

1: LCD Live Viewfinder with 2,8 MP resolution; 2: Touch-LCD, tiltable; 3: Aperture and Shutter Speed Dial Wheel; 4: Hot shoe; 5: Video button; 6: Grippy mode dial

Available in the following colours



FULL
HD
1920x1080p

GM5

LOTS OF PERFORMANCE IN A SMALL PACKAGE

Can a very small body produce outstanding picture quality? The LUMIX GM5 proves it can. It also boasts extraordinary features in a very small space. It's perfect for photographers who are looking for a constant companion for their jacket pockets.

THE ONE WITH VISIONARY STYLE

CHANGING PHOTOGRAPHY **G**

TECHNICAL HIGHLIGHTS OF THE LUMIX GM5

- **16 MP Live MOS Sensor** – for excellent picture quality
- **High-speed autofocus** – with focus peaking and selectable silent mode
- **Ultra-compact magnesium alloy** – perfectly fits into your pocket
- **Full HD video recording** – with fast autofocus, stereo sound and PASM modes
- **Hot shoe** – for extended use with external flash (FL70 supplied)
- **LCD Touchscreen** – 3-inch monitor for intuitive touch operation
- **Live Viewfinder (LVF)** – perfectly frame your shots



Big image sensor



Some like sunshine, others like dusk and candlelight. But the GM5 likes every kind of light. A 16 megapixel image sensor and advanced Venus Engine processor keeps track of every single detail – even when you're filming. It's a revelation for high-end photography.

Built-in Live Viewfinder



With more than 1.17 million pixels, the built-in Live Viewfinder is of course high resolution. Its colour reproduction is absolutely true to nature. Thanks to its eye sensor, the Viewfinder automatically activates when you put your eye up to it. Even if the sun's shining you'll see everything clearly and in optimum brightness.

Expandable hot shoe



Although it's built compactly, the LUMIX GM5 won't deprive you of any of the features you love. For example, the camera features a hot shoe to which you can quickly attach the supplied compact flash unit. Other accessories can also be attached there.

The LUMIX GM5 in brief



1: Live Viewfinder; 2: Touch LCD; 3: Quick-setting dial for shutter speed; 4: Video button; 5: Quick-setting dial for exposure compensation

Available in the
following colours



GF7

EFFORTLESS CONVENIENCE AND PERFECT TECHNOLOGY

The LUMIX GF7 is picture-perfect in a dual sense. It boasts exceptional clarity, low noise and lots of details. And it's great to look at. With a folding display, you can take selfies, too.

THE ONE
THAT'S GOT THE LOOK

CHANGING PHOTOGRAPHY **G**

TECHNICAL HIGHLIGHTS OF THE LUMIX GF7

- **16 MP Live MOS sensor** – for excellent picture quality
- **High-speed autofocus** – with 0.06 sec. shot delay and silent mode
- **Tiltable Touchscreen** – 7.5 cm large display with 1.04 MP
- **50p Full HD video recording** – with continuous autofocus
- **Wi-Fi and NFC™** – for comprehensive functionality
- **Fast Burst Shooting** – 5.8 f/s at full resolution (40 f/s at 4 MP)



Wi-Fi control & NFC™ technology



Smartphone or tablet as a photo assistant? Of course – thanks to its Wi-Fi module and NFC™ technology (Near Field Communication). Put the devices together and they talk. You can make settings such as aperture, shutter speed, focusing, exposure compensation and more using your mobile device – and you can send photos, too.

180° tilt display



A large LCD display lets you keep tabs of everything. It shows you the entire image you're shooting, and with 1.04 million pixels it boasts top resolution. Because it can fold 180° upwards and 45° downwards, you can take in any direction you like – including perfect selfies any time and any place.

Built-in pop-up flash



There are numerous technical features behind the compact exterior of the LUMIX GF7. That includes a foldout flash which only appears when you want it to and gives you scope for creative photographs.

The LUMIX GF7 in brief

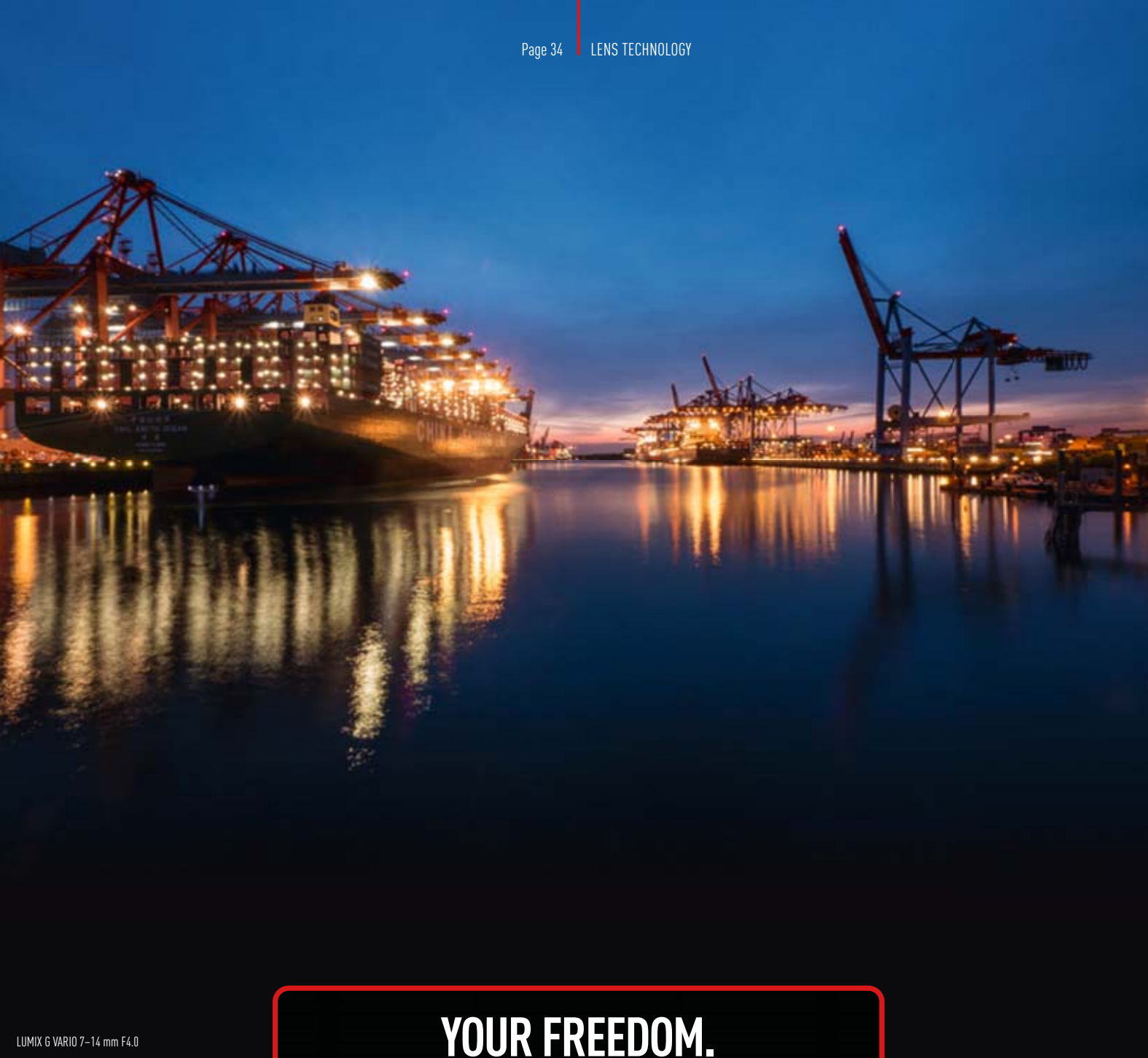


1 2 3 4 5 6 7

1: Touch LCD, tilting; 2: Flash release button; 3: Menu dial; 4: Video button; 5: User-defined function button; 6: Button for intelligent automatic; 7: Mode dial

Available in the
following colours





**YOUR FREEDOM.
OUR LENSES**

CHANGING PHOTOGRAPHY

The **MICRO-FOUR-THIRDS** standard makes things much easier. These lenses weigh very little indeed but they don't impair light intensity or quality. Free of burden, you can enjoy everything professional photography has to offer. You can completely redefine what flexibility means to you.

That special moment has arrived, the time is just right – so capture it with a LUMIX G lens.
Discover the thrilling vicissitudes of photography and the ideal LUMIX G companion to deal with them.





























































LENSES



LENSES AND THEIR FOCAL LENGTHS – A COMPARISON

To help you find your way around, here is a list of all our lenses and their focal lengths. Take your time to compare them.

				20	30	40	50	60	70	80	90	100	200	300	600	900	
				FOCAL LENGTH (35mm camera equivalent)													
ULTRA WIDE-ANGLE																	
H-F007014	7–14 mm		F4.0 ASPH.														
HIGH ZOOM																	
H-FS14140	14–140 mm		F3.5–5.6 ASPH.	POWER O.I.S.													
STANDARD ZOOM																	
H-FS12032	12–32 mm		F3.5–5.6 ASPH.	MEGA O.I.S.													
H-HS12035	12–35 mm		F2.8 ASPH.	POWER O.I.S.													
H-FS12060	12–60 mm		F3.5–5.6 ASPH.	POWER O.I.S.													
H-PS14042	14–42 mm		F3.5–5.6 ASPH.	POWER O.I.S.													
H-FS1442A	14–42 mm		F3.5–5.5 II ASPH.	MEGA O.I.S.													
H-FS014045	14–45 mm		F3.5–5.6 ASPH	MEGA O.I.S.													
TELE ZOOM																	
H-FS35100	35–100 mm		F4.0–5.6 ASPH.	MEGA O.I.S.													
H-HS35100	35–100 mm		F2.8 ASPH.	POWER O.I.S.													
H-FS45150	45–150 mm		F4.0–5.6 ASPH.	MEGA O.I.S.													
H-PS45175	45–175 mm		F4.0–5.6 ASPH.	POWER O.I.S.													
H-FS100300	100–300 mm		F4.0–5.6	MEGA O.I.S.													
H-RS100400	 100–400 mm		F4.0–6.3	POWER O.I.S.													
FIXED FOCAL LENGTH																	
H-X012	 12 mm		F1.4 ASPH.														
H-H014A	14 mm		F2.5 ASPH.														
H-X015	 15 mm		F1.7 ASPH.														
H-H020A	20 mm		F1.7 II ASPH.														
H-H025	25 mm		F1.7 ASPH.														
H-X025	 25 mm		F1.4 ASPH.														
H-HS043	43 mm		F1.7 ASPH.	POWER O.I.S.													
H-NS043	 43 mm		F1.2 ASPH.	POWER O.I.S.													
MACRO																	
H-HS030	30 mm		F2.8 ASPH.	MEGA O.I.S.													
H-ES045	 45 mm		F2.8 ASPH.	MEGA O.I.S.													
FISHEYE																	
H-F008	8 mm		F3.5														
3D																	
H-FT012	12 mm		F12														



LENS TECHNOLOGY

IF YOU'RE LOOKING FOR LENS DIVERSITY, YOU'LL LOVE PANASONIC

LUMIX G has got what you're looking for. We offer a total of 26 lenses, ranging from the traditional LEICA DG lenses, to our, super-compact LUMIX G 'X' lenses, all the way to standard lenses. Whatever equipment you need, we can offer it to you.



LEICA DG LENSES

If you're looking for ultimate quality then you'll opt for LEICA. Their aspherical lenses and specialised, multi-treated surfaces comply with the rigorous standards of LEICA Camera AG.

The sophisticated design of these lenses produces brilliant clarity all the way to the edges, while reproducing lines with precision and avoiding the kind of distortions that usually occur in wide-angle photography. That means ideal conditions for top-level images without reflections or scatter-losses.

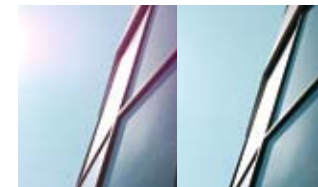
PERFORMANCE LIES IN THE DETAILS

HIGH-END LENSES FOR PICTURE-PERFECT RESULTS

When you develop a lens, the smallest of details matter. That's why the very highest quality standards are applied in the production of LUMIX G and LEICA lenses. All of our lenses are manufactured using a production system developed by Panasonic. From manufacture, to quality control, to packaging, we work

exclusively in clean-room environments to guarantee absolute flawlessness. We have also developed a dedicated instrument for final approval: the 'UA3P' conducts objective and numerical assessments with extreme precision. This allows us to check the lenses for criteria such as colour coating and flaring effects.

Three steps to the outstanding LUMIX G lens



Multi-coating

The multi-coating process functions like a sealant. In a multi-coating procedure, nanostructures which suppress the formation of shadows and glare are applied to the lens. This is especially useful on lenses with pronounced curvature (such as wide-angle lenses) whose curved exterior is subject to incident light from all kinds of angles. The coating simply screens out such interference.



Nano surface coating

Put an end to troublesome reflections – the nano surface coating developed by Panasonic applies a special, ultra-thin film to the lens. This reduces bothersome reflections across the entire light spectrum and eliminates effects such as ghosting. That means crystal-clear pictures even if you're photographing a light source in the dark.



Aspherical lenses

Panasonic lenses offer outstanding picture quality in a small format. The secret lies in their aspherical design. A single aspherical lens has the same effect as multiple spherical lenses, but requires less space and weighs less as well. Panasonic has perfected this sophisticated production process and applies it in a wide range of lenses.

POWERZOOM LENSES – LITTLE POWERHOUSES

LUMIX G Powerzoom lenses are ahead of their time – the Pancake and Tele Powerzoom lens have a fully automatic motor incorporated into drive the zoom, and the Tele Powerzoom has manual zoom as well. Because the lever for operating the Powerzoom is located on the lens itself, zooming is almost automatic.

This has benefits, especially when filming: for example you can determine the speed of the zoom so that you can capture subjects precisely even when zooming slowly. Or you can use the step-by-step zoom function to close in elegantly on the position you require. Now you can also focus quickly using a lever on the Pancake Powerzoom, and using the ring on the Tele Powerzoom. And you can monitor all of this in full size on your LCD display.

IMAGE STABILISER – BRINGING BALANCE TO YOUR PHOTOGRAPHY

LUMIX G lenses have a good sense of balance because of their built-in image stabilisers. They immediately eliminate the kind of minor movements and vibrations that can so easily happen in photography.

But you won't notice any of it happening. In the end, you will be able to enjoy levelled horizons and wonderfully crisp images. You and your LUMIX G will have everything in a steady hand.





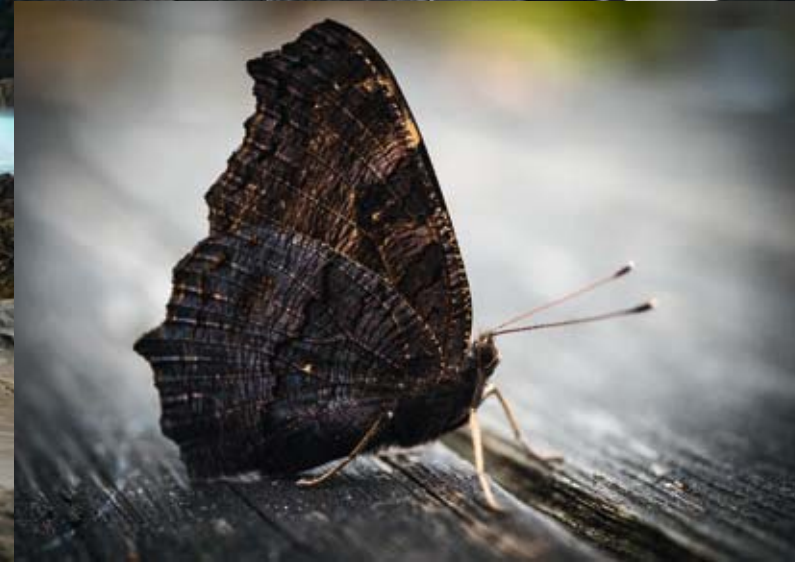
ULTRA WIDE-ANGLE

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FIXED FOCAL LENGTH

PAGE 46-48



HIGH ZOOM

PAGE 41



MACRO

PAGE 49



STANDARD ZOOM

PAGE 42-43



FISHEYE

PAGE 50



TELE ZOOM

PAGE 44-45



3D

PAGE 51



LUMIX G VARIO 7-14 mm F4.0

ULTRA WIDE-ANGLE

When you find yourself in a breathtaking landscape and wish to capture the moment, this compact lens will enable you to do so. A picture angle of 114° diagonal maximum facilitates fantastic shots.



LUMIX G VARIO 14-140 mm F3.5-5.6 ASPH.

HIGH ZOOM

Creativity requires freedom. That's what the High Zoom lens offers you. Its 28 to 280 mm range (35 mm equivalent) will inspire your creativity and is complemented perfectly by an ultra-fast, high-precision autofocus system.



Available in the following colours



H-F007014 | LUMIX G VARIO | 7-14 MM | F4.0 ASPH.

Picture angle: 114°–75°

Closest focusing distance: 0,25 m

Max. enlargement: 0,08× (= 0,15× equivalent)

Lens construction: 16 lenses in 12 groups

Dimensions: ø 70 × 83,1 mm

Weight: 300g



Available in the following colours



H-FS14140E | LUMIX G VARIO | 14-140 MM | F3.5-5.6 ASPH. | POWER O.I.S.

Picture angle: 75°–8,8°

Closest focusing distance: 0,3 m

Max. enlargement: 0,25× (= 0,5× equivalent)

Lens construction: 14 lenses in 12 groups

Filter size: 58 mm

Dimensions: ø 67 × 75 mm; Weight: 265g



STANDARD ZOOM

These lenses are fantastic for experimenting with angle of view, focal length, perspective and depth of focus. They offer enormous flexibility.



LUMIX G VARIO 12–35 mm F2.8



Available in the following colours



H-HS12035 | LUMIX G X VARIO | 12–35 MM | F2.8 ASPH. | POWER O.I.S.

Picture angle: 84°–34°

Closest focusing distance: 0,25 m

Max. enlargement: ca. 0,17× (= 0,34× equivalent)

Lens construction: 14 lenses in 9 groups

Splash and dust proof

Filter size: 58 mm

Dimensions: ø 67,6 × 73,8 mm; Weight: 305g



Available in the following colours



H-FS1442A | LUMIX G VARIO | 14–42 MM | F3.5–5.6 II ASPH. | MEGA O.I.S.

Picture angle: 75°–29°

Closest focusing distance: 0,2 m

Max. enlargement: 0,17× (= 0,34× equivalent)

Lens construction: 9 lenses in 8 groups

Filter size: 46 mm

Dimensions: ø 56 × 49 mm; Weight: 110g



Available in the following colours



H-FS12032 | LUMIX G VARIO | 12–32 MM | F3.5–5.6 ASPH. | O.I.S.

Picture angle: 84°–37°

Closest focusing distance: 0,2 m

Max. enlargement: ca. 0,13× (= 0,26× equivalent)

Lens construction: 8 lenses in 7 groups

Filter size: 37 mm

Dimensions: ø 55,5 × 24 mm; Weight: 70g



Available in the following colours



H-PS14042 | LUMIX G X VARIO PZ | 14–42 MM | F3.5–5.6 ASPH. | POWER O.I.S.

Picture angle: 75°–29°

Closest focusing distance: 0,2 m

Max. enlargement: ca. 0,17× (= 0,34× equivalent)

Lens construction: 9 lenses in 8 groups

Filter size: 37 mm

Dimensions: ø 61 × 26,8* mm; Weight: 95g

* Lens retracted.



Available in the following colours



H-FS12060E | LUMIX G VARIO | 12–60 MM | F3.5–5.6 ASPH. | POWER O.I.S.

Picture angle: 84°–20°

Closest focusing distance: 0,2 m

Max. enlargement: 0,27× (= 0,54× equivalent)

Lens construction: 11 lenses in 9 groups

Splash and dust proof

Filter size: 58 mm

Dimensions: ø 66 × 71 mm; Weight: 210g



Available in the following colours



H-FS014045 | LUMIX G VARIO | 14–45 MM | F3.5–5.6 ASPH. | O.I.S.

Picture angle: 75°–27°

Closest focusing distance: 0,3 m

Max. enlargement: 0,17× (= 0,34× equivalent)

Lens construction: 12 lenses in 9 groups

Filter size: 52 mm

Dimensions: ø 60 × 60 mm; Weight: 195g



TELE ZOOM

Sports journalism, wildlife shots, people photography...
With their wide focal length range and low weight, these lenses offer the full package.



LUMIX G 100-300 mm F4.0-5.6



LUMIX G VARIO 35-100 mm F2.8



LUMIX G VARIO 45-150 mm F4.0-5.6



Available in the following colours



H-HS35100 | LUMIX G X VARIO | 35-100 MM | F2.8 ASPH. | POWER O.I.S.

Picture angle: 34°–12°

Closest focusing distance: 0,85 m

Max. enlargement: 0,1× (= 0,35× equivalent)

Lens construction: 18 lenses in 13 groups

Filter size: 58 mm

Dimensions: ø 67,4 × 99,9 mm; Weight: 360g



Available in the following colours



H-PS45175 | LUMIX G X VARIO PZ | 45-175 MM | F4.0-5.6 ASPH. | POWER O.I.S.

Picture angle: 27°–7,1°

Closest focusing distance: 0,9 m

Max. enlargement: ca. 0,2× (= 0,40× equivalent)

Lens construction: 14 lenses in 10 groups

Filter size: 46 mm

Dimensions: ø 61,6 × 90 mm; Weight: 210g



Available in the following colours



H-FS35100 | LUMIX G VARIO | 35-100 MM | F4.0-5.6 ASPH. | O.I.S.

Picture angle: 34°–12°

Closest focusing distance: 0,9 m

Max. enlargement: 0,11× (= 0,22× equivalent)

Lens construction: 12 lenses in 9 groups

Filter size: 46 mm

Dimensions: ø 55,5 × 50 mm Weight: 135g



Available in the following colours



H-FS100300 | LUMIX G VARIO | 100-300 MM | F4.0-5.6 | O.I.S.

Picture angle: 12°–4,1°

Closest focusing distance: 1,5 m

Max. enlargement: 0,21× (= 0,42× equivalent)

Lens construction: 17 lenses in 12 groups

Filter size: 67 mm

Dimensions: ø 73,6 × 126 mm; Weight: 520g



Available in the following colours



H-FS45150 | LUMIX G VARIO | 45-150 MM | F4.0-5.6 ASPH. | O.I.S.

Picture angle: 27°–8,2°

Closest focusing distance: 0,9 m

Max. enlargement: 0,17× (= 0,34× equivalent)

Lens construction: 12 lenses in 9 groups

Filter size: 52 mm

Dimensions: ø 62 × 73 mm; Weight: 200g



Available in the following colours



H-RS100400 | LEICA DG VARIO-ELMAR | 100 – 400 MM | F4.0-6.3 ASPH. | POWER O.I.S.

Picture angle: 12°–3,1°

Closest focusing distance: 5,0 m

Max. enlargement: 0,25× (= 0,50× equivalent)

Lens construction: 20 lenses in 13 groups

Filter size: 72 mm

Dimensions: ø 83 × 171,5 mm; Weight: 985g



FIXED FOCAL LENGTH

With their high luminosity fixed focal lengths, accurate focusing and high contrast, these lenses will unlock a universe of visual creativity to you and achieve professional illustration quality at the same time.



LUMIX G VARIO 45-150 mm F4.0-5.6



LEICA DG SUMMILUX 15 mm F1.7



LEICA DG SUMMILUX 15 mm F1.7 ASPH.



Available in the following colours



H-X012 | LEICA DG SUMMILUX | 12 MM | F1.4 ASPH.

Picture angle: 84°

Closest focusing distance: 0,2 m

Max. enlargement: 0,11× (= 0,22× equivalent)

Lens construction: 15 lenses in 12 groups (2 asphärische, 1 ED, 2 UED)

Splash and dust proof

Filter size: 62 mm

Dimensions: ø 70 × 70 mm, Weight: 335g



LEICA DG LENS



HD Video Support



Available in the following colours



H-X015 | LEICA DG SUMMILUX | 15 MM | F1.7 ASPH.

Picture angle: 72°

Closest focusing distance: 0,2 m

Max. enlargement: 0,1× (= 0,2× equivalent)

Lens construction: 9 lenses in 7 groups

Filter size: 46 mm

Dimensions: ø 57,5 × 36 mm; Weight: 115g



LEICA DG LENS

HD Video Support

NANO SURFACE COATING Precision Lens



Available in the following colours



H-H014A | LUMIX G | 14 MM | F2.5 ASPH.

Picture angle: 75°

Closest focusing distance: 0,18 m

Max. enlargement: 0,10× (= 0,20× equivalent)

Lens construction: 6 lenses in 5 groups

Filter size: 46 mm

Dimensions: ø 55,5 × 20,5 mm; Weight: 55g



Available in the following colours



H-H020A | LUMIX G | 20 MM | F1.7 II ASPH

Picture angle: 57°

Closest focusing distance: 0,2 m

Max. enlargement: 0,13× (= 0,25× equivalent)

Lens construction: 7 lenses in 5 groups

Filter size: 46 mm

Dimensions: ø 63 × 25,5 mm; Weight: 87g



Available in the following colours



H-H025 | LUMIX G | 25 MM | F1.7 ASPH.

Picture angle: 47°

Closest focusing distance: 0,25 m

Max. enlargement: ca. 0,14× (= 0,28× equivalent)

Lens construction: 8 lenses in 7 groups

Filter size: 46 mm

Dimensions: ø 60,8 × 52 mm; Weight: 125g



HD Video Support



Available in the following colours



H-X025 | LEICA DG SUMMILUX | 25 MM | F1.4 ASPH.

Picture angle: 47°

Closest focusing distance: 0,3 m

Max. enlargement: 0,11× (= 0,22× equivalent)

Lens construction: 9 lenses in 7 groups

Filter size: 46 mm

Dimensions: ø 63 × 54,5 mm; Weight: 200g



LEICA DG LENS

NANO SURFACE COATING Precision Lens

FIXED FOCAL LENGTH

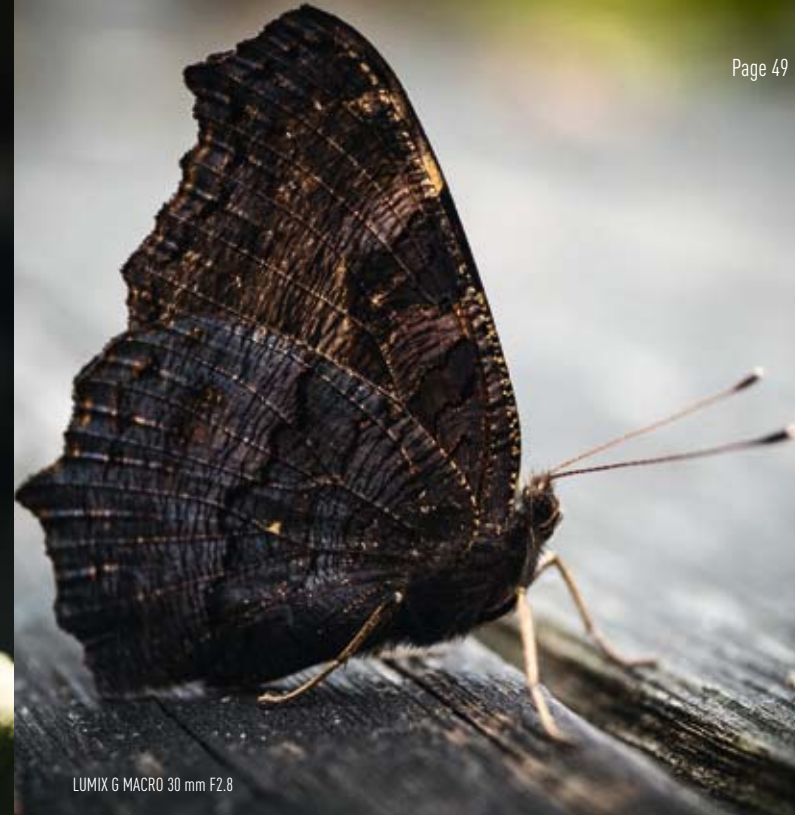
Fixed focal lengths give your creativity wings. Let light intensity and optical interpretation inspire you, and take perfect portraits with the H-NS043 or H-HS043.



LEICA DG NOCTICRON 42,5 mm F1.2

MACRO

These macro lenses bring outstanding image results within reach, even if your subject is very close at hand and they can cope with image ratios of up to 1:1.



LUMIX G MACRO 30 mm F2.8



Available in the following colours



H-NS043 | LEICA DG NOCTICRON | 42,5 MM | F1.2 ASPH. | POWER O.I.S.

Picture angle: 29°

Closest focusing distance: 0,5 m

Max. enlargement: 0,1× (= 2,0× equivalent)

Lens construction: 14 lenses in 11 groups

Splash and dust proof

Filter size: 67 mm

Dimensions: ø 74 × 76,8 mm; Weight: 425g



Available in the following colours



H-ES045 | LEICA DG MACRO-ELMARIT | 45 MM | F2.8 ASPH. | O.I.S.

Picture angle: 27°

Closest focusing distance: 0,15 m

Max. enlargement: 1,0× (= 2,0× equivalent)

Lens construction: 14 lenses in 10 groups

Filter size: 46 mm

Dimensions: ø 63 × 62,5 mm; Weight: 225g



Available in the following colours



H-HS043 | LUMIX G | 42,5 MM | F1.7 ASPH. | POWER O.I.S.

Picture angle: 29°

Closest focusing distance: 0,31 m

Max. enlargement: 0,2× (= 0,4× equivalent)

Lens construction: 10 lenses in 8 groups

Filter size: 37 mm

Dimensions: ø 74 × 50 mm; Weight: 130g



Available in the following colours



H-HS030 | LUMIX G MACRO | 30 MM | F2.8 ASPH. | O.I.S.

Picture angle: 40°

Closest focusing distance: 0,105 m

Max. enlargement: 1,0× (= 2,0× equivalent)

Lens construction: 9 lenses in 9 groups

Filter size: 46 mm

Dimensions: ø 63 × 63,5 mm; Weight: 180g





FISHEYE

Just 10 cm away from the subject – can you get everything in?
Welcome to the fisheye lens. With an outstanding picture angle
of 180 degrees there's plenty of scope for your creative ideas.



Available in the
following colours



H-F008 | LUMIX G FISHEYE | 8 MM | F3.5

Picture angle: 180°

Closest focusing distance: 0,1 m

Max. enlargement: 0,20× (= 0,40× equivalent)

Lens construction: 10 lenses in 9 groups

Filter: filter film holder on the back 22 × 22 mm

Dimensions: ø 60,7 × 51,7 mm; Weight: 165g



3D

Big images, little lens. The 3D lens guarantees a new
dimension of photographic fun. Just 2.5 cm long, it's
always at hand when you wish for a bit of depth.



Available in the
following colours



H-FT012 | LUMIX G | 12,5 MM | F12

Picture angle: 37°*

Closest focusing distance: 0,6 m

Max. enlargement: 0,02× (= 0,1×* equivalent)

Lens construction: 2 × 4 lenses in 3 groups

Dimensions: ø 57 × 20,5 mm; Weight: 45g

*Taken in 16:9 format with a GH3.



ACCESSORIES

Genuine Panasonic LUMIX G accessories offer you everything you need to complete your photographic equipment, from external flashes, to extra batteries, to cable releases.



DMW-FL580L
Wireless control



DMW-FL360L
Wireless control



DMW-FL220



VW-LED1
LED video light

EXTERNAL FLASH UNITS

Provide the perfect lighting, even when shooting close-up subjects in the dark.



DMW-LPL46E
Polarising filter available as DMW-LPLA37, DMW-LPL46E, DMW-LPL52E and DMW-LPL62E



DMW-LND46E
ND filter available as DMW-LND46E and DMW-LND52E



DMW-LMC46E
MC filter available as DMW-LMC46E, DMW-LMC52E and DMW-LMCH62E

FILTERS

Protect your lenses and accentuate the visual impression of your images with Panasonic filters.



DMW-MS2E
Stereo Shotgun Microphone



DMW-MS1E
Stereo directional microphone



VW-VMS10
Stereo microphone

MICROPHONE

Microphones allow you to record ambient sound in much higher quality and from a greater distance away.



DMW-BLF19E
(GH4)



DMW-BLC12E
(GX8 / G7 / G80)



DMW-BLG10E
(GX80)



DMW-BLH7E
(GM5 / GF7)

BATTERIES

Panasonic batteries simply provide better performance and safety. Discover them for yourself.



16 GB (SDUC)
4K video (100 Mbps):
approximately 21 minutes



32 GB (SDUD)
4K video (100 Mbps):
approximately 42 minutes



64 GB (SDUD)
4K video (100 Mbps):
approximately 84 minutes



128 GB (SDUD)
4K video (100 Mbps):
approximately 168 minutes

MEMORY CARDS

NOTHING HAPPENS without them – Panasonic SD cards are the memory of your LUMIX G camera. Choose from 16, 32, 64 and 128 GB.



DMW-PGH68
Neoprene bag



DMW-PZH76
Soft bag with rain guard

BAGS

Our neoprene and nylon bags are functional and very stylish.



DMW-HGR16U
(GM5, black and silver)

GRIP

Our optional grip helps you to hold everything together – the perfect way of controlling every photographic situation.



DMW-BGG1
(G80)



DMW-BGGH3
(GH4)

BATTERY GRIP

Our battery grip with shutter release for the LUMIX GH4 and G80 offers improved control in portrait mode as well as more staying power.



DMW-RSL1

CABLE RELEASE

If you want to take long exposure shots on a tripod, a cable release helps guarantee that your images won't blur.



DMW-YAGH
(GH4)

VIDEO INTERFACE

If you've got it, flaunt it – especially if it's the Video Interface. For professional connectivity you've got SDI and HDMI output, XLR audio, time code and an external power supply.



DMW-EC3
(GX8)

EYECUP

We've got it covered – with the eyecup you'll always enjoy a perfect view of your subject.



DMW-ZL1

ZOOM LEVER

Zoom in and out easily and smoothly when shooting videos – it's child's play with our optional zoom lever.

TECHNICAL SPECIFICATIONS

LUMIX DMC-GH4		LUMIX DMC-G80		LUMIX DMC-G7		LUMIX DMC-GX8		LUMIX DMC-GX80		LUMIX DMC-GM5		LUMIX DMC-GF7	
IMAGE SENSOR													
Total pixels / Effective pixels		17.20 / 16.05 Megapixels		16.84 / 16.00 Megapixels		21.77 / 20.30 Megapixels		16.84 / 16.00 Megapixels		16.84 / 16.00 Megapixels		16.84 / 16.00 Megapixels	
Body Image Stabiliser		–		• [5-axis], DUAL I.S.2		–		• [4-axis], DUAL I.S.		–		–	
Dust reduction system		Supersonic wave filter		Supersonic wave filter		Supersonic wave filter		Supersonic wave filter		Supersonic wave filter		Supersonic wave filter	
RECORDING SYSTEM													
Recording file format		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: MOV (Audio format: LPCM), MP4 (Audio format: AAC 2ch), AVCHD (Audio format: Dolby Digital 2ch)		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: AVCHD (Audio format: Dolby Digital 2ch), MP4 (Audio format: AAC 2ch)		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: MP4 (Audio format: AAC 2ch), MP4 (Audio format: AAC 2ch)		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: AVCHD (Audio format: AAC 2ch), AVCHD (Audio format: Dolby Digital 2ch)		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: AVCHD (Audio format: Dolby Digital 2 ch), MP4 (Audio format: AAC 2ch)		Still image: JPEG (DCF, Exif 2.3), RAW, MP0 ¹ Motion picture: AVCHD (Audio format: Dolby Digital 2ch), MP4 (Audio format: AAC 2ch)	
Aspect ratio		4:3, 3:2, 16:9, 1:1		4:3, 3:2, 16:9, 1:1		4:3, 3:2, 16:9, 1:1		4:3, 3:2, 16:9, 1:1		4:3, 3:2, 16:9, 1:1		4:3, 3:2, 16:9, 1:1	
Colour space		sRGB, Adobe RGB		sRGB, Adobe RGB		sRGB, Adobe RGB		sRGB, Adobe RGB		sRGB, Adobe RGB		sRGB, Adobe RGB	
Still image size		[4:3] 4608 × 3456 (L) / 3264 × 2448 (M) / 2336 × 1752 (S) / 1824 × 1368 ¹ / 3:2] 4608 × 3072 (L) / 3264 × 2176 (M) / 2336 × 1560 (S) / 1824 × 1216 ¹ / [16:9] 4608 × 2592 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 ¹ / [1:1] 3456 × 3456 (L) / 2448 × 2448 (M) / 1744 × 1744 (S) / 1712 × 1712 ¹		[4:3] 4592 × 3448 (L) / 3232 × 2424 (M) / 2272 × 1704 (S) / 1824 × 1368 ¹ / 3:2] 4592 × 3064 (L) / 3232 × 2160 (M) / 2272 × 1520 (S) / 1824 × 1216 / 16:9] 4592 × 2584 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 / [1:1] 3424 × 3424 (L) / 2416 × 2416 (M) / 1712 × 1712 (S) / 1712 × 1712		[4:3] 4592 × 3448 (L) / 3232 × 2424 (M) / 2272 × 1704 (S) / 1824 × 1368 ¹ / 3:2] 4592 × 3064 (L) / 3232 × 2160 (M) / 2272 × 1520 (S) / 1824 × 1216 ¹ / [16:9] 4592 × 2584 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 ¹ / [1:1] 3888 × 3888 (L) / 2784 × 2784 (M) / 1968 × 1968 (S) / 1712 × 1712 ¹		[4:3] 5184 × 3888 (L) / 3712 × 2784 (M) / 2624 × 1968 (S) / 1824 × 1368 ¹ / 3:2] 5184 × 3456 (L) / 3712 × 2480 (M) / 2624 × 1752 (S) / 1824 × 1216 ¹ / [16:9] 5184 × 2920 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 ¹ / [1:1] 3888 × 3888 (L) / 2784 × 2784 (M) / 1968 × 1968 (S) / 1712 × 1712 ¹		[4:3] 4592 × 3448 (L) / 3232 × 2424 (M) / 2272 × 1704 (S) / 1824 × 1368 ¹ / 3:2] 4592 × 3064 (L) / 3232 × 2160 (M) / 2272 × 1520 (S) / 1824 × 1216 ¹ / [16:9] 4592 × 2584 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 ¹ / [1:1] 3424 × 3424 (L) / 2416 × 2416 (M) / 1712 × 1712 (S) / 1712 × 1712 ¹		[4:3] 4592 × 3448 (L) / 3232 × 2424 (M) / 2272 × 1704 (S) / 1824 × 1368 ¹ / 3:2] 4592 × 3064 (L) / 3232 × 2160 (M) / 2272 × 1520 (S) / 1824 × 1216 ¹ / [16:9] 4592 × 2584 (L) / 3840 × 2160 (M) / 1920 × 1080 (S) / 1824 × 1024 ¹ / [1:1] 3424 × 3424 (L) / 2416 × 2416 (M) / 1712 × 1712 (S) / 1712 × 1712 ¹	
Motion picture size		MOV [4K] 3840 × 2160 4K / 29.97p, 100Mbps (IPB) (LPCM) [Full HD] 1920 × 1080 FHD / 59.94p: 200Mbps (ALL Intra) (LPCM) / 100Mbps (IPB) (LPCM) AVCHD [Full HD] 1920 × 1080 FHD / 59.94p: 28Mbps [Full HD] 1920 × 1080 FHD / 50.00p: 28Mbps MP4 / MOTION-JPEG [4K] 3840 × 2160, 29.97p, 100Mbps (IPB) (LPCM) / 100Mbps (IPB) (AAC) [Full HD] 1920 × 1080, 23.98p, 200Mbps (ALL-Intra) (LPCM) / 100Mbps (IPB) (LPCM) / 50Mbps (IPB) (LPCM) [HD] 1280 × 720, 29.97p, 10Mbps (IPB) (AAC)		– [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 50i: 17Mbps [Full HD] 1920 × 1080 FHD / 50p / 24p: 24Mbps [4K] 3840 × 2160 4K / 30p / 25p / 24p: 100Mbps [Full HD] 1920 × 1080 FHD / 60p / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 30p / 25p: 20Mbps [HD] 1280 × 720 HD / 30p / 25p: 10Mbps		– [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 50i: 17Mbps [Full HD] 1920 × 1080 FHD / 25p / 24p: 24Mbps [4K] 3840 × 2160 4K / 25p / 24p: 100Mbps [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 30p / 25p: 20Mbps [HD] 1280 × 720 HD / 25p: 10Mbps		– [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 50i: 17Mbps [Full HD] 1920 × 1080 FHD / 25p / 24p: 24Mbps [4K] 3840 × 2160 4K / 25p / 24p: 100Mbps [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 25p: 20Mbps [HD] 1280 × 720 HD / 25p: 10Mbps		– [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 50i: 17Mbps [Full HD] 1920 × 1080 FHD / 25p / 24p: 24Mbps [4K] 3840 × 2160 4K / 25p / 24p: 100Mbps [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 25p: 20Mbps [HD] 1280 × 720 HD / 25p: 10Mbps		– [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 50i: 17Mbps [Full HD] 1920 × 1080 FHD / 50p / 24p: 24Mbps [Full HD] 1920 × 1080 FHD / 50p: 28Mbps [Full HD] 1920 × 1080 FHD / 25p: 20Mbps [HD] 1280 × 720 HD / 25p: 10Mbps	
FOCUS													
Type		Contrast AF system (DFD)		Contrast AF system (DFD)		Contrast AF system (DFD)		Contrast AF system (DFD)		Contrast AF system (DFD)		Contrast AF system	
Focus Mode		AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF		AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF		AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF		AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF		AFS (Single) / AFF (Flexible) / AFC (Continuous) / MF		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)		Face / Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoint (Full area touch is available)		Face / Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoint (Full area touch is available)		Face / Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoint (Full area touch is available)		Face / Eye Detection / Tracking / 49-Area / Custom Multi / 1-Area / Pinpoint (Full area touch is available)		Face / Eye Detection / Tracking / 23-Area / 1-Area / Pinpoint (Full area touch is available)	
EXPOSURE CONTROL													
Light metering mode		Multiple / Center Weighted / Spot		Multiple / Center Weighted / Spot		Multiple / Center Weighted / Spot		Multiple / Center Weighted / Spot		Multiple / Center Weighted / Spot		Multiple / Center Weighted / Spot	
Exposure mode		Program AE, Aperture Priority AE, Shutter Priority AE, Manual		Program AE, Aperture Priority AE, Shutter Priority AE, Manual		Program AE, Aperture Priority AE, Shutter Priority AE, Manual		Program AE, Aperture Priority AE, Shutter Priority AE, Manual		Program AE, Aperture Priority AE, Shutter Priority AE, Manual		Program AE, Aperture Priority AE, Shutter Priority AE, Manual	
ISO sensitivity		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1 / 3 EV step) (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1/3 EV step) (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1 / 3 EV step) (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1 / 3 EV step) (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1 / 3 EV step) (Up to ISO6400 in motion picture recording) (ISO Auto in M mode)		Auto / Intelligent ISO / 100 (Extended) / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1/3 EV step) (Up to ISO3200 in motion picture recording)	
Exposure compensation		1 / 3 EV step ±5 EV (±3 EV for motion picture)		1 / 3 EV step ±5EV (±3EV for motion picture)		1 / 3 EV step ±5EV (±3EV for motion picture)		1 / 3 EV step ±5EV (±3EV for motion picture)		1 / 3 EV step ±5 EV (±3 EV for motion picture)		1 / 3 EV step ±5 EV (±3 EV for motion picture)	
AE lock		Yes (AF / AE lock button)		Yes (AF/AE LOCK button)		Yes (AF/AE lock button)		Yes (AF / AE lock button)		Set the Fn button in custom menu to AE lock		Set the Fn button in custom menu to AE lock	
AE bracket		3, 5, 7 frames in 1 / 3, 2 / 3 or 1 EV Step, Max. ±3 EV, single/burst		3, 5, 7 images in 1 / 3, 2 / 3 or 1 EV step, max. ±3 EV, single / burst		3, 5, 7 frames in 1 / 3, 2 / 3 or 1 EV Step, Max. ±3 EV, single/burst		3, 5, 7 frames in 1 / 3, 2 / 3 or 1 EV Step, Max. ±3 EV, single/burst		3, 5, 7 frames in 1 / 3, 2 / 3 or 1 EV Step, Max. ±3 EV		3, 5, 7 frames in 1 / 3, 2 / 3 or 1 EV Step, Max. ±3 EV, single / burst	
WHITE BALANCE													
White balance settings		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2 / Color temperature setting		Auto / Daylight / Cloudy / Shade / incandescent / Flash / White Set 1, 2 / Color temperature setting	
White balance adjustment		Blue / Amber bias, Magenta / Green bias		Blue / Amber bias, Magenta / Green bias		Blue / Amber bias, Magenta / Green bias		Blue / Amber bias, Magenta / Green bias		Blue / Amber bias, Magenta / Green bias		Blue / Amber bias, Magenta / Green bias	
Creative modes		e. g. Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome		Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome		e. g. Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome		Expressive / Retro / Old Days / High Key / Low Key / Sepia		Expressive / Retro / Old Days / High Key / Low Key / Sepia		e. g. Expressive / Retro / Old Days / High Key / Low Key / Sepia	
SHUTTER													
Shutter Speed		Still image: Bulb (Max. 60 minutes), 1 / 8,000–60 ; Motion picture: 59.94Hz: 1 / 16,000–1 / 30, 50.00Hz: 1 / 16,000–1 / 25, 23.98Hz: 1 / 16,000–1 / 24 (When using Synchro Scan)		Still image: Bulb (Max. 2 minutes), 1 / 4,000–60; Motion picture: 1 / 16,000–1 / 30; Electronic shutter: 1 / 16,000–1 ; Electronic first curtain shutter: 1 / 2,000–60		Still image: Bulb (Max. 2 minutes), 1 / 4,000–60 ; Motion picture: 1 / 16,000–1 / 25 Electronic shutter: 1 / 16,000–1		Still image: Bulb (Max. 30 minutes), 1 / 8,000–60; Motion picture: 1 / 16,000–1 / 25; Electronic shutter: 1 / 16,000–1		Still image: Time (Max. 2 minutes), 1 / 4,000–60; Motion picture: 1 / 16,000–1 / 25; Electronic shutter: 1 / 16,000–1		Still image: Time (Max. 60 second), 1 / 16,000–60; Motion picture: 1 / 16,000–1 / 25	
Remote Control		Remote control with Bulb function by DMW-RSL1 (Optional)		–		Remote control with Bulb function by DMW-RSL1 (Optional)		Remote control with Bulb function by DMW-RSL1 (Optional)		–		–	
BURST SHOOTING													
Burst speed		Mechanical shutter: H: 12 frames / sec. (with AFS), 7 frames/sec. (with AFC), M: 7 frames / sec. (with Liveview), L: 2 frames / sec. (with Liveview); Electronic shutter: SH: 40 frames / sec. H: 12 frames / sec. (with Liveview), M: 7 frames / sec. L: 2 frames / sec. (with Liveview)		Mechanical shutter: H: 9 frames / sec. (with AFS), H: 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. (with AFS), H: 6 frames / sec. (with AFC) M: 6 frames / sec. (with Live View), L: 2 frames / sec. (with Live View)		Mechanical shutter: H: 8 frames / sec. (with AFS), 6 frames / sec. (with AFC), M: 6 frames / sec. (with Liveview), L: 2 frames / sec. (with Liveview) Electronic shutter: SH: 40 frames / sec. H: 10 frames / sec. M: 6 frames / sec. (with Liveview), L: 2 frames / sec. (with Liveview)		Mechanical shutter: H: 8 frames / sec. (with AFS), 6 frames / sec. (with AFC), M: 5.5 frames / sec. (with AFS), 6 frames / sec. (with AFC), L: 2 frames / sec. (with Liveview); Electronic shutter: SH: 40 frames / sec. (with A					

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