About the performance of Face Recognition function

Recognition performance varies greatly depending on shooting conditions, i.e., according to factors such as angles, facial expression and lighting, so operation under all conditions cannot be guaranteed. Because the camera searches for faces that are similar to registered faces, there are cases where the faces are not correctly recognized when the registered image and the shooting image varies much. When facial characteristics are similar, particularly between parents and their children or brothers and sisters, the camera may not distinguish the faces.

About Waterproof / Dustproof performance of the camera "DMC-FT1"

This camera is waterproof / dustproof equivalent to "IP58", and is possible to record at a maximum of 3.0 m depth/60 min. This does not guarantee non-destruction, non-malfunction, and water-proofing in all conditions. Please observe specified precautions and avoid product-use beyond the guaranteed underwater duration, or beyond the guaranteed depth of water.

- Attention - To prevent water leakage, confirm that there is no foreign object near card/battery door then close door by pressing until it clicks. • Use underwater up to 3.0 m depth and not longer than 60 minutes continuously. •Do not leave under low temperature in the cold climate, or where the temperature is above 40°C for a long period of time. •When the unit is splashed with detergent, soap, hot spring, bath additive, sun oil, sunscreen, chemical, etc., wipe it off immediately. •After use at the seaside or underwater, soak the unit in fresh water pooled in a shallow container for 10 minutes or less. Do not leave uncared for more than 60 minutes after using underwater. It may cause deterioration of the waterproof performance. •Foreign materials may be attached if the zoom lever or mode dial does not move smoothly. Soak the unit in fresh water, shake it well and then wash the zoom lever and mode dial with tap water. •To maintain the waterproof performance, it is recommended that the waterproof seal (with fee) is replaced at least once every 1 year at the retail store where you have bought the camera.

About Shockproof performance of the camera "DMC-FT1"

This camera has passed a drop test from 1.5 m in height in accordance with "MIL-STD 810F Method 516.5-Shock", but this does not guarantee non-destruction, non-malfunction, and water-proofing in all conditions. Water-proofing is not guaranteed if the unit is subject to an impact as a result of being hit or dropped etc.

- Drop Test – Test standard: MIL-STD 810F Method 516.5-Shock •Drop height: 1.5m •Drop surface: 5cm thick plywood •Number of units tested: 5 •Drop orientations: 26 (each face, edge and corner) •Number of drops: 1 (for each orientation) •Unit inspected after each drop and found to be operating within product specifications. Change of appearance - paint-loss or deformation not measured.

•PHOTOfunSTUDIO: Requires Microsoft® Windows® 2000/XP or Vista®. •SILKYPIX® Developer Studio: Requires Microsoft® Windows® 2000/XP or Vista® (Only a systems administrator with authority can install software on a Windows® XP or 2000), or Apple® Mac OS® X v10.2 or later (Version 10.3 or later is recommended). •ArcSoft® MediaImpression™, Panorama Maker™: Require Microsoft® Windows® 2000/XP/Vista®, or Apple® Mac OS® v10.3 or newer (Version 10.4 or later is recommended). •Weight and dimensions shown are approximate. •Design, functions, and specifi cations are subject to change without notice. •Some sample images are simulated. •Some accessories are not available in some countries. •The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder. •AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard. •The "AVCHD Lite" and "AVCHD Lite" logos are trademarks of Panasonic Corporation and Sony Corporation. AVCHD is a high-definition (HD) digital video recording / playback format jointly established by Panasonic Corporation and Sony Corporation. AVCHD Lite is a subset of the AVCHD format for HD digital video cameras with HD video recording restricted to 720P. The new "AVCHD Lite" logo and the "AVCHD Lite" license are restricted to devices within the AVCHD Video Camera category. Digital cameras have been added to the AVCHD Video Camera category. For more details, please refer to the "AVCHD Information Website". http://www.avchd-info.org/ •Leica is a registered trademark of Leica Microsystems IR GmbH. •The LEICA DC VARIO-ELMARIT, VARIO-ELMAR, and VARIO-SUMMICRON lenses are manufactured using measurement instruments and quality assurance systems that have been certifi ed by Leica Camera AG based on the company's quality standards. •YouTube is a trademark of Google Inc. •Dolby and the double-D symbol are trademarks of Dolby Laboratories. •HDMI, the HDMI logo and High-Defi nition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. •Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. •Apple® and Mac OS® are either registered trademarks or trademarks of Apple, Inc. in the United States and/or other countries. •QuickTime and the QuickTime logo are trademarks or registered trademarks of Apple, Inc., used under license therefrom. •Other names of systems and products mentioned in this brochure are generally the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.

Works with Mac | iPhoto   CERTIFIED FOR Windows Vista®   SDHC   PictBridge   AVCHD Lite   HDMI   DOLBY DIGITAL

Panasonic

Official Worldwide Olympic Partner
Panasonic

LOCAL DEALER

http://panasonic.net/lumix

LUMIX

LUMIX

SUPER ZOOM MODELS

NEW
FZ35
Black

| 12.1 Megapixels | 27 mm WIDE | 18x Optical Zoom | 2.7" LCD | Manual Operation | iA | POWER O.I.S. | HD MOVIE |

PHOTO & MOVIE AVCHD Lite
page14

NEW
ZR1
Silver Black Red

| 12.1 Megapixels | 25 mm WIDE | 8x Optical Zoom | 2.7" LCD | iA | POWER O.I.S. | HD MOVIE |

page08

TZ7
Silver Black Brown

| 10.1 Megapixels | 25 mm WIDE | 12x Optical Zoom | 3.0" LCD | iA | MEGA O.I.S. | HD MOVIE |

PHOTO & MOVIE AVCHD Lite
page16

TZ6
Silver Black

| 10.1 Megapixels | 25 mm WIDE | 12x Optical Zoom | 2.7" LCD | iA | MEGA O.I.S. |

page16

STYLISH MODELS

NEW
FX65
Silver Black Pink Violet

| 12.1 Megapixels | 25 mm WIDE | 5x Optical Zoom | 2.7" LCD | iA | POWER O.I.S. | HD MOVIE |

page12

NEW
FP8
Silver Black Pink Red Green Violet Blue

| 12.1 Megapixels | 28 mm WIDE | 4.6x Optical Zoom | 2.7" LCD | iA | POWER O.I.S. | HD MOVIE |

page10

FX580
Silver Black Gold

| 12.1 Megapixels | 25 mm WIDE | 5x Optical Zoom | 3.0" Touch LCD | Manual Operation | iA | MEGA O.I.S. | HD MOVIE |

page18

FX180
Silver Black Gold

| 14.7 Megapixels | 28 mm WIDE | 3.6x Optical Zoom | 2.7" LCD | Manual Operation | iA | MEGA O.I.S. | HD MOVIE |

page19

EASY MODELS

FS25/FS15 •FS25
Silver Black Gold   Silver Black Blue

| 12.1 Megapixels | 29 mm WIDE | 5x Optical Zoom | 3.0" LCD (FS25) | 2.7" LCD (FS15) | iA | MEGA O.I.S. |

page20

FS12/FS7 •FS7
Silver Black Blue Pink   Silver Black Blue Pink

| 12.1 Megapixels (FS12) | 10.1 Megapixels (FS7) | 4x Optical Zoom | 2.7" LCD (FS12) | 2.5" LCD (FS7) | iA | MEGA O.I.S. |

page22

FS62/FS6
Silver Black Blue Pink
FS42/FS4 •FS6
Silver Black Pink   Silver Black

| 10.1 Megapixels (FS62/FS42) | 8.1 Megapixels (FS6/FS4) | 4x Optical Zoom | 2.5" LCD | iA (FS62/FS6) | MEGA O.I.S. (FS62/FS6) |

page22

LS85
Silver

| 8.1 Megapixels | 4x Optical Zoom | 2.5" LCD | iA | MEGA O.I.S. |

page24

TOUGH MODEL

FT1
Silver Orange Green Blue

| 12.1 Megapixels | 28 mm WIDE | 4.6x Optical Zoom | 2.7" LCD | iA | MEGA O.I.S. | HD MOVIE |

PHOTO & MOVIE AVCHD Lite
page17

CREATIVE MODEL

LX3
Silver Black

| 10.1 Megapixels | 24 mm WIDE | 2.5x Optical Zoom | 3.0" LCD | Manual Operation | iA | MEGA O.I.S. | HD MOVIE |

page25

NEW-GENERATION SYSTEM CAMERAS

GH1
Black Red Gold

| 12.1 Megapixels | 3.0" Free-Angle LCD | Manual Operation | Full-Time Live View | iA | MEGA O.I.S. | FULL HD 1920x1080 | MICRO FourThirds |

PHOTO & MOVIE AVCHD
page26

G1
Black Red Blue

| 12.1 Megapixels | 3.0" Free-Angle LCD | Manual Operation | Full-Time Live View | iA | MEGA O.I.S. | MICRO FourThirds |

page26

Night Shooting

Trust iA!

POWER O.I.S. Image Stabilization **2x**

POWER O.I.S. transforms beautiful night scenes

LUMIX cameras now render nightscapes and other dark scenes, which tend to blur due to their slower shutter speeds, with even more natural beauty. The new POWER O.I.S. image stabilizer has double* the corrective power of previous models. That makes it possible to take startling nighttime photos with one hand. They also don't need to raise the ISO sensitivity, even in dimly lit areas, so they're able to capture photos with less noise. POWER O.I.S. is an original, advanced LUMIX technology that's leading the way for some remarkable new possibilities in compact cameras.
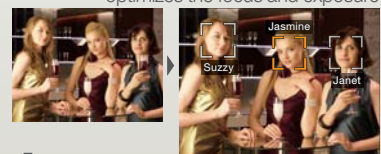
*Panasonic comparison

Power x 2

POWER O.I.S. OFF

POWER O.I.S. ON

LUMIX ZR1. 1/5 sec, F3.3, ISO400

---

iA mode activates detection and correction functions, so you get beautiful, clear shots

Face Recognition
Remembers faces that have been registered in the camera and optimizes the focus and exposure

Jasmine
Suzzy
Janet

Face Recognition

Intelligent ISO Control
Helps prevent blurring caused by the subject moving
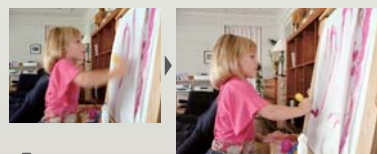
Intelligent ISO Control

Intelligent Scene Selector
Automatically selects the optimal Scene mode
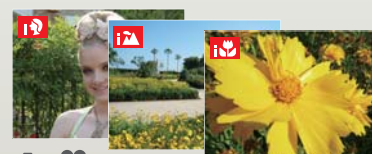
Intelligent Exposure
Brightens up dark areas
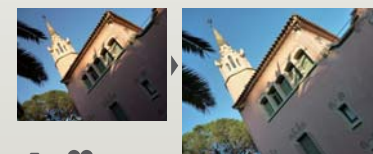
Intelligent Exposure

Face Detection AF/AE
Helps deliver clear portraits
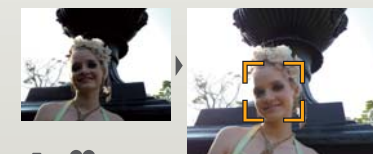
Face Detection AF/AE

AF Tracking
Keeps the focus and exposure locked onto the subject, even if it moves
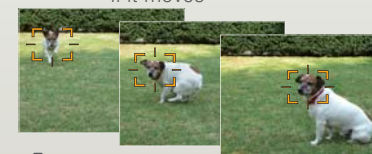
These detection and correction systems are not offered on all models. For details, please see LUMIX FUNCTIONS on pages 28 to 35.

HD MOVIE
Easy, Beautiful Movies – With LUMIX Imaging Technology

AVCHD Lite Movie with iA Mode

Conventional

AVCHD Lite

Shoot HD (High-Definition) Motion Images with Ease

LUMIX cameras (FZ35/TZ7/FT1) make it even easier to take HD (1280 x 720) motion images by adding a movie button and AVCHD Lite, which lets you take beautiful, long-time HD movies. You can also use the iA mode to shoot motion images, and let the camera do all the work for you. This user-friendly mode automatically selects the most suitable Scene mode and helps correct blurring, focus and brightness problems. All you do is aim and shoot. iA is the easy way to capture beautiful HD movies.

High-Speed, High-Quality Image Processing LSI
Venus Engine V and Venus Engine HD

The imaging power of LUMIX has evolved even further. Improved circuitry greatly reduces picture noise while preserving exceptional resolution, sharpness and color reproduction. The new Venus Engine V also introduces a new circuit that makes Face Recognition possible. And the Venus Engine HD boasts two CPUs which achieve the long-time HD motion picture recording in AVCHD Lite (MPEG-4/H.264) while maintaining low power consumption.

WIDE ANGLE
Wider, More Beautiful Images – With LUMIX Lens Technology

Standard 35mm*

Wide 25mm*

* 35mm-lens equivalent

A Wide-Angle Lens Makes a Big Difference

The expressiveness of a wide-angle lens lies in its ability to capture spatial expanse and depth. When you want to shoot a sweeping landscape or fit all your friends in a photo when there isn't much room, there's nothing like a wide-angle lens. For example, the photo area of the 25mm wide-angle lens in the ZR, TZ and FX Series is about 196% that of an ordinary 35mm lens. The world's first 0.3-mm super-thin aspherical lens on the ZR1 fits a 25mm wide-angle lens and 8x optical zoom into a conveniently slim body.

35mm*
25mm*
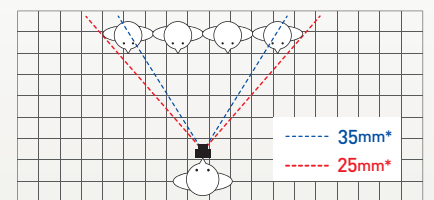
LEICA DC LENS
Renders Clear, Beautiful Images with Minimal Distortion
LEICA DC LENS

The Leica DC lens inherits both its name and its outstanding quality from Leica Camera AG, maker of lenses renowned in the film camera world for their superb performance and compact size. The LEICA DC VARIO-ELMAR, LEICA DC VARIO-ELMARIT, and LEICA DC VARIO-SUMMICRON lenses are featured in LUMIX cameras. Each of these sophisticated lens systems includes several aspherical lenses to compensate for spherical aberration. And each features an advanced multi-coating process that is applied to lens surfaces to help prevent fogging caused by flare and ghosts caused by excessive light.

*Leica is a registered trademark of Leica Microsystems IR GmbH. Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

ZR1

Keep your travel memories fresh.
With a compact 25mm wide-angle lens, an 8x optical zoom, and POWER O.I.S.

1x (Wide 25mm*)   * 35mm-lens equivalent

8x Optical Zoom With POWER O.I.S.

Without POWER O.I.S.

Ultra-clear 8x zoom, POWER O.I.S., and a 25mm wide-angle LEICA DC VARIO-ELMAR lens

The compact body of the ZR1 houses a LEICA DC VARIO-ELMAR lens that ranges from 25mm wide-angle all the way to 200mm telephoto. In addition to its superb image rendering, the Leica DC lens lets you capture photos clearly without having to worry about hand-shake in all kinds of travel situations, thanks to the double* corrective power of POWER O.I.S. as compared to previous models. *Panasonic comparison

Without POWER O.I.S.   With POWER O.I.S.

High-speed performance captures every shooting opportunity

Enjoy high-speed 1.1-second start-ups, AF speeds of approximately 0.27 second*, and up to five consecutive shots at 2.3 frames per second with full resolution. You can also take up to 330 photos with a single battery charge (CIPA). This comfortable level of performance lets you capture even the most fleeting shutter chances.

*At wide end; Start-up time and AF speed vary depending on shooting conditions.

Let iA mode do all the work – get stunning shots every time

Simply switch to iA mode, and leave everything up to the camera. It automatically activates six detection and correction functions including POWER O.I.S., and lets you easily preserve your magnificent travel memories.

Intelligent Scene Selector

Travel mode sorts your travel memories

The camera automatically arranges photos and movies using data such as the dates and locations of where they were taken. This makes it easier to enjoy your travel images in slideshows of photos and movies.

TRAVEL MODE
27/JUL/2009~ 1/A
London
21:17 26/JUL/2009
LOCATION
SELECT EXIT

SUN MON TUE WED THU FRI SAT
7 2009
MONTH DAY SET
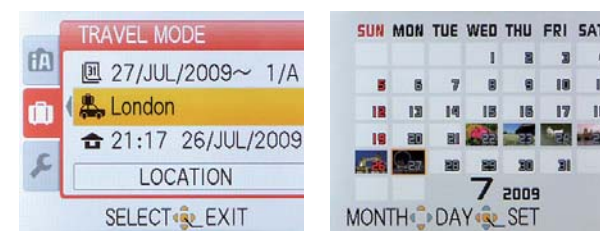
•Optional marine case for underwater photography
 (to a depth of 40 m/131 ft)

DMW-MCZX1
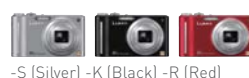
ZR1

-S (Silver) -K (Black) -R (Red)

iA | POWER O.I.S | Venus Engine V | 25mm WIDE | LEICA DC LENS | HD MOVIE | SDHC | 12.1 Megapixels | 8x Optical Zoom | 2.7" LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

FP8

Showcase your style and artistic sense.
With an advanced compact camera and POWER O.I.S.

Without POWER O.I.S.

POWER O.I.S.

Capture crisp, clear night scenes with the 28mm wide-angle LEICA DC VARIO-ELMAR lens and POWER O.I.S.

The folded optics in this 28mm wide-angle lens with 4.6x optical zoom enable the FP8's flat, slim design. Plus, the superb image rendering of the Leica DC lens teams up with the double* corrective power of the new POWER O.I.S. to clearly capture subjects even in dimly lit areas where hand-shake often occurs.
*Panasonic comparison

High-speed performance lets you shoot anytime you want

Enjoy high-speed 0.95-second start-ups, AF speeds of approximately 0.25 second*, and up to five consecutive shots at 2.3 frames per second with full resolution. You can also take up to 380 photos with a single battery charge (CIPA). This comfortable level of performance lets you capture even the most fleeting shutter chances.
*At wide end; Start-up time and AF speed vary depending on shooting conditions.

Switch to iA mode with a single press of the button

Simply switch to iA mode, and leave everything up to the camera. It automatically selects the best of six scene modes to match your subject, and corrects any blurring, focus or brightness problems, so you get beautiful photos every time.
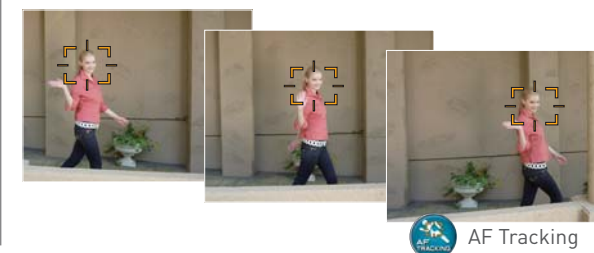
AF Tracking
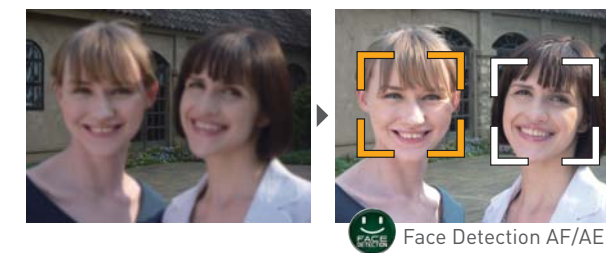
Face Detection AF/AE

Illuminated button looks cool and brightens up operation

The back of the camera has a cool-looking illuminated button that helps you to avoid operating mistakes even when shooting in dimly lit places.

FP8

-S (Silver) -K (Black) -P(Pink) -R (Red) -G (Green) -V (Violet) -A (Blue)

28mm WIDE | LEICA DC LENS | HD MOVIE | SDHC | 12.1 Megapixels | 4.6x Optical Zoom | 2.7" LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

FX65

2x nighttime beauty.
With a stylish 25mm wide-angle lens and POWER O.I.S.

LUMIX

12 MEGA PIXELS

Without POWER O.I.S.

POWER O.I.S.

POWER O.I.S. captures crisp, clear night scenes

When shooting at night or in dimly lit places, slower shutter speeds can often result in hand-shake. This isn't a problem with the FX65, because the double* corrective power of its improved POWER O.I.S. provides powerful hand-shake compensation. Nightscapes are much clearer than those taken at high ISO sensitivity, and image noise is reduced. *Panasonic comparison

High-speed performance that instantly captures shutter chances

Enjoy high-speed 1.1-second start-ups, AF speeds of approximately 0.28 second*, and up to five consecutive shots at 2.3 frames per second with full resolution. You can also take up to 360 photos with a single battery charge (CIPA). This comfortable level of performance lets you reliably catch even the most fleeting shutter chances.

*At wide end; Start-up time and AF speed vary depending on shooting conditions.

iA mode with enhanced Face Recognition

Face Recognition, which is one of the unique iA mode functions, has now evolved even further. It adjusts the focus and exposure for the faces of people who you have registered in the camera, and the number of faces that can be registered per person has been increased to three. This makes it possible to capture beautiful shots of special subjects with even greater accuracy. Six other corrective functions, including POWER O.I.S., are also activated for easy, fail-proof photos every time.

*Turn the Face Recognition item on and register subjects with a full-face portrait on the shooting menu in advance. Refer to the back page for details.

Jasmine
Suzzy
Janet

Face Recognition

Intelligent Scene Selector
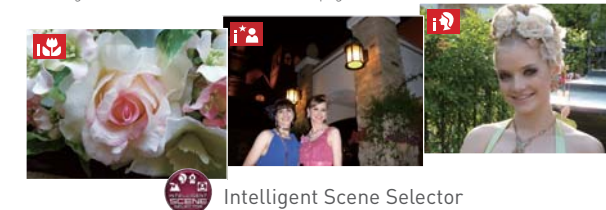
Bright F2.8, 25mm wide-angle LEICA DC VARIO-ELMARIT lens with 5x optical zoom

The 25mm wide-angle lens in this super-compact camera captures almost twice the area of an ordinary 35mm lens, making it ideal for shooting group photos indoors or wide landscapes outdoors. The 5x optical zoom pulls distant subjects up close, and the exquisite rendering of the Leica DC lens lets you capture nuanced, expressive photos. Development of the 0.3mm super-thin aspherical lens has made it possible to fit its lens system into a slim body.
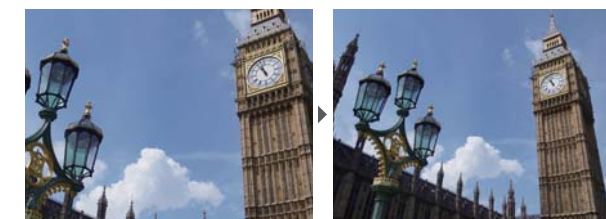
Standard 35mm*

Wide 25mm* * 35mm-lens equivalent

FX65

-S (Silver) -K (Black) -P (Pink) -V (Violet)

iA | POWER O.I.S. | Engine | 25mm WIDE | LEICA DC LENS | HD MOVIE | SDHC | 12.1 Megapixels | 5x Optical Zoom | 2.7" LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

FZ35

Corrective power for visibly clearer zooming.
Hybrid still/motion images with POWER O.I.S.
and an 18x optical zoom

AVCHD Lite – Beautiful HD movies, extended shooting time

The FZ35 records HD movies with 1280 x 720-pixel resolution. It uses the AVCHD Lite format (MPEG-4/H.264) to achieve higher image quality while storing less data than the conventional Motion JPEG. Plus, the FZ35 is equipped with an HDMI output terminal for direct transmission of digital image and sound signals. Just connect the camera to an HDTV using a single HDMI mini cable (optional), and it's even easy to enjoy slideshow in which both still and motion images integrated in the recorded timeline.

AVCHD Lite

Movie button for instant recording of videos

Creative Movie mode: You can adjust the aperture and shutter speed any way you like. This mode gives you a wider range of expressive possibilities to explore in your movie making.

Zoom-in movie: You can zoom in and out while shooting movies.

Stereo mic: This camera features Dolby® Digital Stereo Creator, which records dynamic, true-to-life audio to bring out the power of your HD images.

DOLBY
DIGITAL
STEREO CREATOR

Wind cut function: Minimizes the distracting sound you hear from the wind blowing into the mic.movies.

iA mode (Movie): You can also use iA mode to shoot movies, and let the camera do all the work for you.

High-speed response for truly intuitive shooting

Enjoy high-speed 1.2-second start-ups, AF speeds of approximately 0.28 second*, and up to five consecutive shots at 2.3 frames per second with full resolution. You can also take up to 470 photos with a single battery charge (CIPA). This comfortable level of performance lets you capture even the most fleeting shutter chances.

*At wide end; Start-up time and AF speed vary depending on shooting conditions.

Wide-angle 27mm LEICA DC VARIO-ELMARIT lens and 18x optical zoom

The bright F2.8 LEICA DC VARIO-ELMARIT lens ranges from 27mm wide-angle all the way to 486mm telephoto. Combined with the double* corrective power of the improved POWER O.I.S., this makes it possible to capture subjects clearly without hand-shaking, even in the telephoto range. *Panasonic comparison

Wide 27mm**   18x (486mm**) ** 35mm-lens equivalent

My Color mode puts you in control of the color

In this mode, you can freely adjust the color, brightness and saturation parameters. This makes it easier and more fun to create interesting, expressive images. Adjust the settings that best suit the shooting conditions and your expressive intent, and then enjoy your own photography.
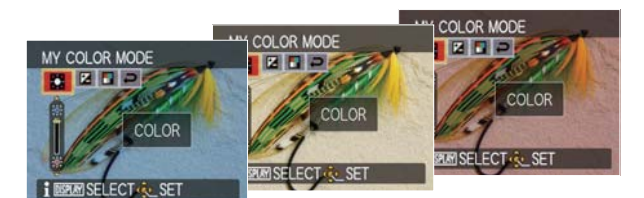
FZ35

-K (Black)

PHOTO & MOVIE

Works with
Mac iMovie

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.
• Dolby and the double-D symbol are trademarks of Dolby Laboratories.
• iMovie, Mac, and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. The Works with iMovie logo is a trademark of Apple Computer, Inc.

TZ7|TZ6

Perfect for travel, this compact, high-zoom camera makes it easy to shoot beautiful photos and HD movies*

*HD movies available on TZ7 only.

FT1

Waterproof, shockproof and ready for active outdoor fun

AVCHD Lite (TZ7) – beautiful HD motion images, extended shooting time

The TZ7 records HD motion images with 1280 x 720-pixel resolution. It uses the AVCHD Lite (MPEG-4/H.264), which achieves higher image quality and stores less data than the conventional Motion JPEG.

AVCHD Lite   DOLBY DIGITAL STEREO CREATOR

Movie button for instant recording of videos.

25mm wide-angle LEICA DC VARIO-ELMAR lens with 12x optical zoom

The TZ7/TZ6 packs a LEICA DC VARIO-ELMAR lens with 12x optical zoom into a compact body. This versatile photographic tool lets you shoot everything from sweeping vistas at the 25mm wide-angle setting to dynamic 300mm telephoto shots. And the lens system's exquisite rendering ability lets you capture even the subtle nuances of the sights and scenes in your travels.

Wide 25mm*   12x (300mm*) * 35mm-lens equivalent

TZ7 -S (Silver) -K (Black) -T (Brown)
iA PHOTO & MOVIE | MEGA O.I.S | Venus Engine HD | 25mm WIDE | LEICA DC LENS | HD MOVIE AVCHD Lite | HDMI | SD HC | 10.1 Megapixels | 12x Optical Zoom | 3.0" LCD

TZ6 -S (Silver) -K (Black)
iA | MEGA O.I.S | Venus Engine IV | 25mm WIDE | LEICA DC LENS | SD HC | 10.1 Megapixels | 12x Optical Zoom | 2.7" LCD

Waterproof, shockproof and dustproof

 WATERPROOF

 SHOCKPROOF

 DUSTPROOF

The camera body is waterproof to 3.0 m. It's dustproof too, so you don't have to worry about dust or sand getting inside. It has passed drop tests at a height of 1.5 m. This is one tough little camera that you can take wherever the action takes you.

Please refer to back page for details about the waterproof and shockproof performance.

AVCHD Lite – lets you shoot beautiful HD motion images for a longer time

The FT1 records HD motion images with 1280 x 720-pixel resolution while zooming in and out. It uses the AVCHD Lite (MPEG-4/H.264), which achieves higher image quality and stores less data than the conventional Motion JPEG.

AVCHD Lite   DOLBY DIGITAL CREATOR

iA mode, for beautiful photos and movies – automatically

Just set the camera to iA mode, aim and shoot. The camera does the rest, automatically activating seven detection and correction functions. These include MEGA O.I.S., which helps prevent blurring due to shaky hands, and Face Recognition, which finds familiar faces in a group of people and captures them in clear focus and with proper exposure.** **Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.

FT1 -S (Silver) -D (Orange) -G (Green) -A (Blue)
iA PHOTO & MOVIE | MEGA O.I.S | Venus Engine HD | 28mm WIDE | LEICA DC LENS | HD MOVIE AVCHD Lite | HDMI | SD HC | 12.1 Megapixels | 4.6x Optical Zoom | 2.7" LCD

FX580
Stylish model with advanced functions and touch-screen operation

Impressive 14.7-megapixel high resolution and easy manual control
FX180

A 3.0-inch touch-screen LCD for easy use
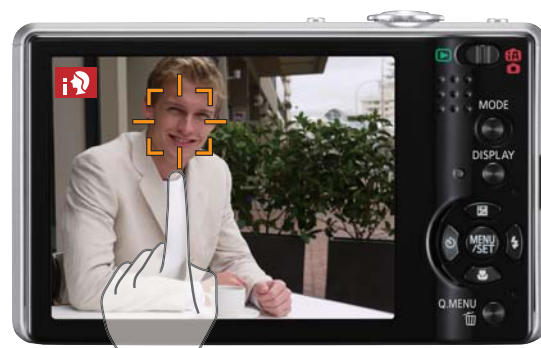
Advanced Touch AF/AE and Face Recognition

Just "point out" the subject by touching the LCD, and the camera does the rest, adjusting the focus and exposure to capture a sharp, bright shot of your subject. Also, each time you indicate a face in iA mode, the Face Recognition function activates and "remembers" it. Subsequently, any time that face appears within a shot you're framing, the camera adjusts the focus and exposure to capture it perfectly.*

*Turn Face Recognition item ON and resister the person with full-face portrait on the shooting menu in advance. Refer to back page for detail.
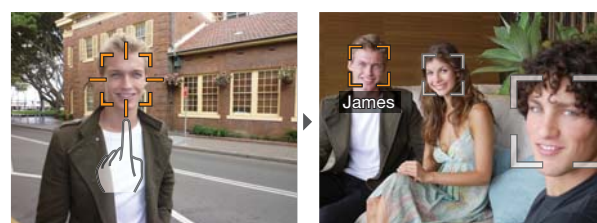
Smooth manual operation

In Shutter-Priority AE, Aperture-Priority AE and Manual modes, just touch the slider bars by the LCD to set the shutter, aperture and exposure correction values.

James

14.7-megapixel CCD and 28mm wide-angle LEICA DC VARIO-ELMARIT lens
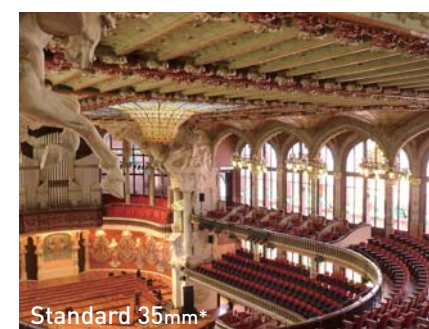
Standard 35mm*

Wide 28mm*

*35mm -lens equivalent

The FX180 features a 1/1.72" CCD with an impressive 14.7-megapixel resolution, and combines it with a bright F2.8 LEICA DC VARIO-ELMARIT lens with 7 lens elements in 6 groups including an EA lens.

This lens offers high resolution and smooth gradation across the entire focal range, from 28mm wide-angle to 100mm telephoto, to depict subjects with exceptional detail and dynamic realism.

Simple manual exposure control

Use the cursor button to change the shutter speed and aperture manually. This makes manual operation fast and easy.
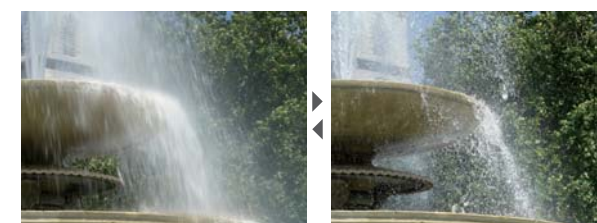
iA mode helps prevent shooting mistakes in a variety of situations

Just select iA mode, and let the camera do the rest. All you have to do is aim the camera and shoot. The camera automatically helps correct for blurring, out-of-focus shots and exposure.

AF Tracking

FX580

-S (Silver) -K (Black), -N (Gold)

See pages 28 to 35 for more detailed information about the functions. ▶

FX180

-S (Silver) -K (Black) -N (Gold)
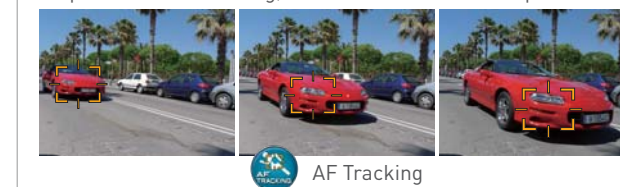
See pages 28 to 35 for more detailed information about the functions. ▶

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

* Leica is a registered trademark of Leica Microsystems IR GmbH.
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Easy shooting, easy viewing in a compact model with a large 3-inch LCD

29mm wide-angle lens, 12.1 megapixels, and a range of easy-to-use functions

Capture the beauty of everyday moments.

A simple, stylish way to enjoy time with the family.

AF Tracking*

iA mode for one-touch beauty

Press the iA button, aim, and shoot. With the FS25/15, taking great photos is that easy. iA mode activates six detection and correction functions – including AF Tracking, which locks on and follows your subject – so you get beautiful, clear shots.

iA Button

Intelligent Exposure

• **MEGA O.I.S. (Optical Image Stabilizer)**
  helps prevent blurring when the camera shakes.
• **Intelligent ISO Control**
  helps prevent blurring caused by subject motion.
• **Intelligent Scene Selector**
  selects the optimal scene mode for the situation.
• **Intelligent Exposure**
  adjusts the brightness of dark areas in the image.
• **Face Detection AF/AE**
  helps deliver clear portraits.
• **AF Tracking***
  locks the focus onto your moving subject.

*Dynamic tracking function may fail to lock, lose the subject in AF Tracking, or track different subject depending on the recording conditions.

LEICA DC VARIO-ELMAR lens with 5x optical zoom

The 29mm wide-angle lens captures a wider area than a standard 35mm lens. This combines with the superior rendering performance of the Leica DC lens and 5x optical zoom power. In Macro Zoom mode using digital zoom, you can pull subjects even closer than the closest point possible with the wide-angle setting, and capture dramatic close-ups.

Macro Zoom   Wide 29mm*   * 35mm-lens equivalent   5x

Large, easy-to-see Intelligent LCD

The high-resolution, 230,000-dot LCD makes it easier to frame the shot before you shoot and check the results after you shoot. It also makes it more fun to view your photos with family and friends. The FS25's LCD is 3.0 inches. The FS15's is 2.7 inches.

• Up to 400 shots* on a single battery charge *Based on CIPA standards

The brightness changes to match your surroundings

The LCD brightness automatically adjusts in 11 steps to match the brightness of your surroundings. This ensures good viewability even outdoors on a sunny day, and improved viewing comfort when you're inside in a dark room.

Easy-to-see menu display

The layout of the settings in the menu display is extremely simple, making it easy to see and switch the settings.

FS25   -S (Silver) -K (Black) -N (Gold)   iA MEGA O.I.S. VENUS Engine IV 29mm WIDE LEICA DC LENS SDHC 12.1 Megapixels 5x Optical Zoom 3.0" LCD

FS15   -S (Silver) -K (Black), -A (Blue)   iA MEGA O.I.S. VENUS Engine IV 29mm WIDE LEICA DC LENS SDHC 12.1 Megapixels 5x Optical Zoom 2.7" LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

Sleek, metallic cameras that take beautiful photos with automatic ease

Cute and colorful designs with Leica DC lens and super-easy operation

Colorful designs with a playful, fashionable look.

Cameras that are easy to carry, easy to use, and easy to enjoy.

MEGA O.I.S.

Intelligent ISO Control

Choose the focus indicator you like most

In addition to the ordinary "●" mark that indicates when the shot is in focus, you can choose a heart, flower or three other designs.
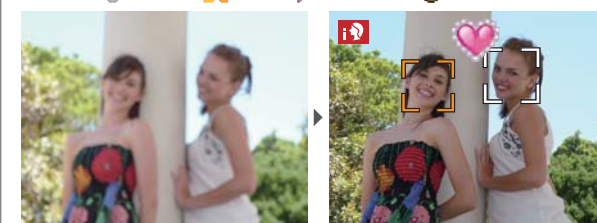
Put borders around your photos, without a PC

In Photo Frame mode, you can compose your shot while displaying one of the frames registered in the camera. This is a quick, easy way to produce photos with attractive borders.*

*The picture size is automatically resized to 2M (or below).

With iA mode, taking a beautiful shot is as easy as pressing a button

Just press the iA button, aim and shoot. The camera does all the rest, automatically activating four detection and correction functions (see list at right). These include MEGA O.I.S., which helps prevent blurring due to shaky hands, and Intelligent ISO Control, which helps prevent motion blur when the subject won't stay still.

- •MEGA O.I.S. (Optical Image Stabilizer)
  helps prevent blurring when the camera shakes.
- •Intelligent ISO Control
  helps prevent blurring caused by subject motion.
- •Intelligent Scene Selector
  selects the optimal scene mode for the situation.
- •Face Detection AF/AE
  helps deliver clear portraits.

Simple, stylish cameras that select the most suitable Scene mode for the situations

FS42

-S (Silver) -K (Black) -P (Pink)

FS4

-S (Silver) -K (Black)

•Up to 330 (FS12) / 360 (FS7) / 370 (FS62) / 400 (FS6) shots* on a single battery charge *Based on CIPA standards

FS12/FS7

-S (Silver) -K (Black) -A (Blue) -P (Pink)

iA | MEGA O.I.S. | LEICA DC LENS | SDHC | 12.1 Megapixels FS12 | 10.1 Megapixels FS7 | 4x Optical Zoom | 2.7" LCD

FS7

FS62/FS6

-S (Silver) -K (Black) -A (Blue) -P (Pink)

iA | MEGA O.I.S. | LEICA DC LENS | SDHC | 10.1 Megapixels FS62 | 8.1 Megapixels FS7 | 4x Optical Zoom | 2.5" LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  Leica DC lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

LS85

Easy to use, even for beginners, with iA mode and convenient AA battery operation

With iA mode, getting a great shot is as easy as pressing a button

Intelligent Scene Selector

MEGA O.I.S.

Just press the iA button, aim and shoot. The camera does all the rest, automatically adjusting to the shooting conditions and

helping to correct blurring, focus, and brightness problems. The results are beautiful.

2.5-inch Intelligent LCD adjusts its brightness as the lighting changes

The brightness of the LS85's high-resolution, 230,000-dot, 2.5-inch LCD automatically adjusts in 11 steps to match the brightness of your surroundings. This makes it easy for you to see the LCD when you're outdoors on a sunny day and improves viewing comfort at night or in a dark room.

Records motion images and sound

The LS85 also lets you record motion images complete with sound. The motion images are recorded in the WGA (848 x 480) format with a 16:9 aspect ratio to fit a wide-screen TV.

LS85

-S (Silver)

iA | MEGA O.I.S. | Venus Engine IV | SDHC | **8.1** Megapixels | **4x** Optical Zoom | **2.5"** LCD

LX3

Stunning image quality with F2.0 24mm wide-angle LEICA DC VARIO-SUMMICRON lens

Large aperture F2.0, 24mm wide-angle LEICA DC VARIO-SUMMICRON lens

Featuring 8 lens elements in 6 groups including 4 aspherical lenses, the LEICA DC VARIO-SUMMICRON lens offers a large aperture of F2.0 and 24 mm wide angle that is very helpful when shooting at higher shutter speeds in low-lit situations or for giving backgrounds a gentle soft-focus. And it provides a focal length of 24mm to 60 mm (35mm equivalent). From expansive wide-angle shooting to telephoto shots, the crystal-clear rendering and rich gradation of this lens express extremely fine details and nuances.

Large, high-sensitivity CCD for unprecedented image quality

The newly developed 1/1.63" CCD helps capture beautiful images with outstanding dynamic range and minimal noise. By optimizing the use of space within individual photocells to allow larger photodiodes, and by purposely keeping pixel resolution at 10.1 megapixels to allow more light to enter each photocell, the CCD has exceptional sensitivity and saturation performance. Combined with re-engineered circuitry around the sensor for more stable signal outputs, the LX3 can faithfully reproduce colors even in high contrast or low-lit situations.
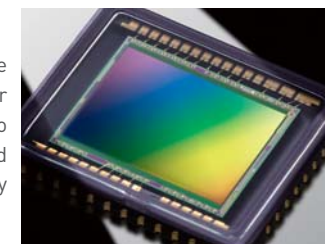
Options to broaden your creative possibilities

External Flash DMW-FL220
Wide Conversion Lens DMW-LW46*
External Viewfinder DMW-VF1
Leather Case DMW-CLX3
Lens Adapter DMW-LA4
PL Filter DMW-LPL46*
ND Filter DMW-LND46*
MC Protector DMW-LMC46*
*Requires DMW-LA4 Lens Adapter.

- 24mm wide-angle lens with multiple aspect ratios
- Film mode to give photos special expression
- Selectable focusing areas
- Large, 3.0-inch, Intelligent LCD with 460,000-dot resolution
- Manual operation with joystick
- Macro shooting capability as close as 1 cm (0.03 ft)
- Versatile flash functions for 1st-curtain synchro, 2nd-curtain synchro, and consecutive shooting

LX3

-K (Black) -S (Silver)

iA | MEGA O.I.S. | Venus Engine IV | 24mm WIDE | LEICA DC LENS | HD MOVIE | SDHC | **10.1** Megapixels | **2.5x** Optical Zoom | **3.0"** LCD

* Leica is a registered trademark of Leica Microsystems IR GmbH.
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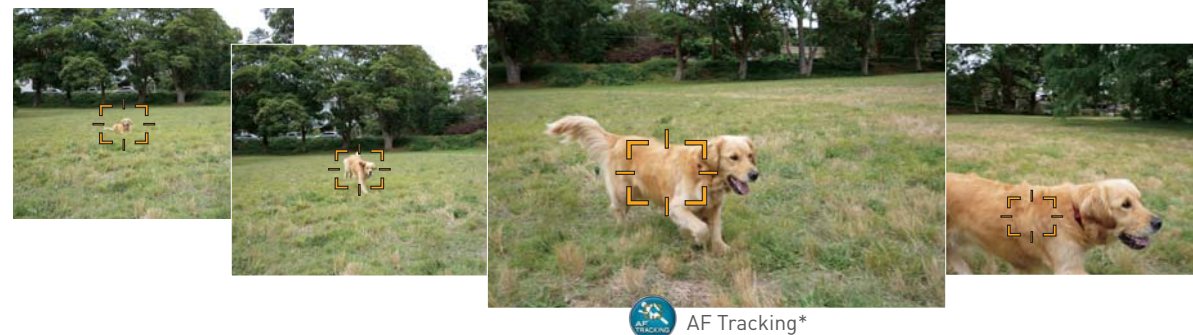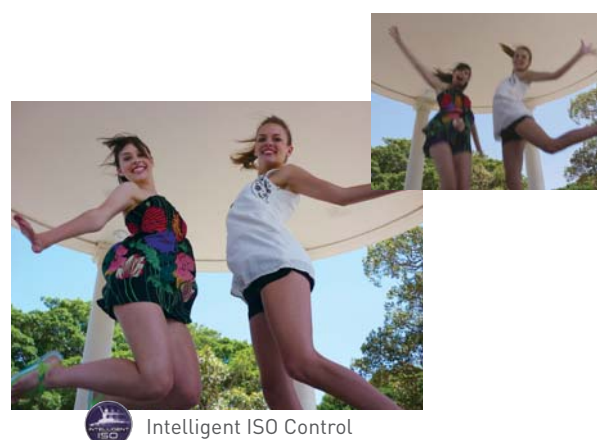
Photo Quality of DSLR and Full-HD Movie
CREATIVE HD HYBRID

- Full-HD movie recording in AVCHD with single-lens-reflex photo quality
- LUMIX G VARIO HD 14-140mm / F4.0-5.8 ASPH. / MEGA O.I.S. for outstanding HD movies

- Enjoy the freedom of manual settings in creative movie mode
- The advanced iA mode uses Face Recognition to remember individual faces

GH1

-K (Black) -R (Red) -N (Gold)

LUMIX G MICRO SYSTEM

An Ultra-Compact
Digital Interchangeable Lens System Camera

- Micro Four Thirds: The open standard that led to the mirror-less body
- Full-time Live View shows you before you shoot how the settings change the photo

- Live View Finder – an electronic viewfinder complete with Full-time Live View
- iA mode automatically selects the most appropriate settings

G1

-K (Black) -R (Red) -A (Blue)

LUMIX G MICRO SYSTEM

Change the way you see the world

- Dramatic change in shooting style – Free-angle 2.5" LCD for Full-time Live View
- A dual AF system, with TTL phase difference AF and contrast AF

- LEICA D VARIO-ELMAR 14-50mm/F3.8-5.6 ASPH./MEGA O.I.S. lens
- Advanced Scene modes give you even more control

L10

A D-SLR that feels the way a camera should

- LEICA D VARIO-ELMARIT 14-50 mm/F2.8-3.5 ASPH./MEGA O.I.S. lens
- An aperture ring on the lens barrel responds intuitively to your intent

- A shutter speed dial on the camera body with a familiar feel
- Full-time Live View allows you to shoot in new ways

L1

- Four Thirds, Four Thirds Logo mark, Micro Four Thirds and Micro Four Thirds Logo mark are trademarks or registered trademarks of Olympus Imaging Corporation.
- For detailed information on the LUMIX G Micro System and digital SLR series, please see http://panasonic.net/lumix/

Innovative LUMIX Technologies

Intelligent Auto Mode (Photo)
Press a button or turn a dial to select iA mode, and your LUMIX camera automatically activates a host of advanced functions and technologies – described below – that make it easy to capture beautiful, clear shots.

POWER O.I.S. (Optical Image Stabilizer)
With double* the corrective power of previous models, POWER O.I.S. covers you even when you're shooting at slower shutter speeds. This gives you beautiful shots without hand-shake at night and in other dimly lit situations. *Panasonic comparison

MEGA O.I.S. (Optical Image Stabilizer)
Built-in gyrosensors detect even slight camera movement caused by hand-shake. The system then compensates for the shake so you get clear, sharp photos.

Intelligent ISO Control
This system detects if the subject is moving as you shoot, and automatically adjusts the ISO setting and shutter speed accordingly to help prevent motion blur.

Face Detection AF/AE
This function determines if there are any faces in the photo and adjusts the focus and exposure to capture them correctly. When you take shots with the flash, digital processing minimizes the red-eye effect.* *Except FS42, FS4 and LS85.

Face Recognition
Face Recognition "remembers" faces that have been registered in the camera from previous shots, and optimizes the focus and exposure to capture them perfectly. This clever function makes it easy to get beautiful photos of loved ones in a group of people. In new models, the number of faces that can be registered per person has been increased to three. This makes it possible to capture beautiful shots of special subjects with even greater accuracy.*Turn the Face Recognition item on and register subjects with a full-face portrait on the shooting menu in advance. Refer to the back page for details.

Intelligent Scene Selector
This function automatically sets the camera to whichever of five scene modes – Portrait, Night Portrait, Scenery, Night Scenery or Macro – is best for the situation. In new models, it automatically sets the camera to one of six modes, including a new Baby mode.

Intelligent Exposure
The camera corrects the brightness in parts of the image that are too dark due to insufficient lighting, backlighting or use of the flash.

AF Tracking
Once you focus on your subject, AF Tracking automatically and continuously tracks it and keeps it in focus.

Focusing Functions

A Choice of Auto Focus Modes
Choose the auto focus mode that best suits the situation. In addition to Face Detection AF and AF Tracking, you can choose from 1-area, 1-area high-speed, Spot, and Multi. *The AF area setting menu varies by model. For details, please see the specifications on pages 36 to 41

Selectable AF Area
While using 1-area, 1-area high-speed, Spot, or Multi-area AF mode, you can specify the area out of 11 AF areas. You can thereby enjoy free framing even with the subject not at the center. Some models let you set the AF area to any location within the frame.

AF Assist Lamp
For use in dim lighting, this lamp slightly illuminates the subject to help the AF system focus correctly.

Quick AF
When the camera detects that you have assumed a shooting stance, it automatically begins focusing. This system gets you ready to catch critical shots faster than systems that don't begin focusing until you press the shutter button halfway. *The focus speed may be slower in dark surroundings.

	Ready to shoot	Press the shutter button halfway
Normal		Begins focusing → Press the shutter button
Quick AF	Begins focusing	Press the shutter button
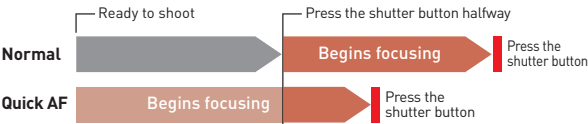
Continuous AF
The camera is always focusing, which reduces AF delays.

Manual Focus
You can manually focus with the joystick. And you can also use the assist function, which enlarges the center of the image to make focusing easier. The focusing area can be enlarged up to 4x and is movable.

Basic Functions

Light Metering
The light can be measured in three ways as a guideline for exposure: Intelligent Multiple, Center Weighted, or Spot. Simply switch the metering method to match the shooting scene or your shooting intent. *Some models offer Intelligent Multiple metering only.

White Balance Settings
Choose from six preset white balance settings: Auto, Daylight, Cloudy, Shade, Flash, Halogen, and White Set. This is handy when there are several different light sources and it's difficult to get the exact coloration you want. *White balance setting menu varies by model. For details, please see the specifications on pages 36 to 41.

White Balance Adjustment
When it's difficult to get the exact coloring you want, you can add bluish or reddish tones in +/-10 steps of 150 kelvins each*. Some models let you make adjustments on both the red/blue axis and the magenta/green axis in +/- 9 steps. *In Auto mode the white balance is determined automatically and cannot be adjusted.

ISO Sensitivity Settings
You can choose the light-receiving sensitivity from Auto, I.ISO, 80, 100, 200, 400, 800, 1600, or 3200*. *ISO setting menu varies by model. For details, please see the specifications on pages 36 to 41.

ISO Limit Set
When using ISO Auto mode, you can preset exactly the upper ISO limit that you want. This lets you shoot within the sensitivity range that you have set, to reflect your intentions in particular shooting situations.

Auto Bracketing
This shoots three shots at slightly graduated exposures (+/- 1/3 - 1 EV step). Pick the best of the three to keep.

Advanced Shooting Functions

Wide-Angle Shooting
A wide-angle lens captures a wider photo area than a standard 35mm lens. This is a big advantage when you're trying to capture the grandeur of a sweeping landscape or massive building, or when you're in a small room trying to take a group photo.

Extra Optical Zoom
This function provides additional magnification, extending the zoom power by using the center part of the CCD. When compared with conventional digital zoom functions that directly enlarge the image data, it provides better image quality.

Easy Zoom Button
Press this button once and the zoom lens instantly extends to full telescopic. Press it twice and the Extra Optical Zoom also activates and extends to full telescopic. With this quick zooming, you're ready in an instant when a great opportunity arises.

Flash Synchro
You can use the flash function with 1st curtain and 2nd curtain synchro settings to add an effective nuance according to the scene. The 2nd curtain synchro activates the flash just before the shutter closes, making it appear that the light source is actually behind the subject.

Select Among 3 Aspect Ratios
In addition to the conventional 4:3 image format, you can select the 16:9 or 3:2 format to suit the shot you're composing. 16:9 images are perfect for viewing on a wide-screen TV. *When using a plasma display to show 16:9 images recorded on an SD Memory Card, the images may not fill the entire screen.

Multi Aspect Mode
The camera takes pictures in each of the three aspect ratios (4:3, 3:2, 16:9) in one go. And you can reproduce images shot with the lens set from wide end to tele end in any of three aspect ratios.

MEGA BURST Consecutive Shooting
The camera lets you snap off consecutive shots at up to 3 frames per second* with full resolution. *The maximum number of frames varies with different models and settings.

Unlimited Consecutive Shooting
The Unlimited Consecutive Shooting function lets you keep on shooting until the memory card is full. You can take a series of shots, then choose the one you like best and delete the rest. *The consecutive shooting speed varies depending on the model, shooting conditions and memory card.

Multiple Exposure
You can take up to three exposures in a single frame. You can also apply automatic gain compensation according to your requirements.

Film Mode
Much like changing the film type in a film camera, you can enjoy a wide range of expression based on six color modes and three monochromatic modes.

Color Mode / Color Effect Mode
Choose from five or seven preset Color Mode settings: Cool, Warm, Black & White, Sepia, Natural*, Standard*, and Vivid*. In some models, the bracketing function can provide three types of image. *Not offered on all models.

Black & White   Sepia   Natural   Vivid

Picture Adjustment
Choose from four picture adjustment settings: Contrast, Sharpness, Saturation and Noise Reduction. Each setting can be individually set to Low, Standard or High.

RAW Format Compatiblility
You can record original image data directly from the CCD without any image processing. Using SILKYPIX® Developer Studio software utility, you can develop RAW data to create an image with the effect you wanted when you took the shot. *The "PHOTOfunSTUDIO" and ArcSoft® "MediaImpression™" software utilities included in the CD-ROM are designed just to convert RAW files into JPEG images.

Comparison Chart

Innovative LUMIX Technologies	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Intelligent Auto Mode (Photo)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	●
Power O.I.S. (Optical Image Stabilizer)	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEGA O.I.S. (Optical Image Stabilizer)	-	● - x -	-	-	●	●	●	●	●	●	●	●	●	●	●	-	-	●	●
Intelligent ISO Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Face Detection AF/AE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	●
Face Recognition	●	●	●	●	●	-	●	●	●	●	-	-	-	-	-	-	-	-	●
Intelligent Scene Selector	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Intelligent Exposure	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	●
AF Tracking	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	●

Focusing Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
A Choice of Auto Focus Modes	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Selectable AF Area	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	●
AF Assist Lamp	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Quick AF	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Continuous AF	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Manual Focus	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●

Basic Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Light Metering	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	●	●	●	(Intelligent Multiple only)	●	●	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	(Intelligent Multiple only)	●
White Balance Settings	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
White Balance Adjustment	●	●	●	●(2-axis)	●	●	●	(2-axis)	●(2-axis)	-	-	-	-	-	-	-	-	-	●(2-axis)
ISO Sensitivity Settings	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ISO Limit Set	-	-	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	●
Auto Bracketing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	●

Advanced Shooting Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Wide-Angle Shooting	25mm	28mm	25mm	27mm	25mm	25mm	28mm	25mm	28mm	29mm	29mm	31mm	33mm	33mm	33mm	33mm	33mm	33mm	24mm
Extra Optical Zoom (Maximum*)	15.6x	9.1x	9.8x	35.2x	21.4x	21.4x	9.0x	9.8x	7.7x	9.8x	9.8x	7.8x	7.1x	7.1x	6.4x	7.1x	6.4x	6.4x	4.5x
Easy Zoom Button	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-
Flash Synchro	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Select Among 3 Aspect Ratios	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Multi Aspect Mode	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●
MEGA BURST Consecutive Shooting	2.3 fps	2.3 fps	2.3 fps	2.3 fps	2.3 fps	2.5 fps	2.3 fps	2.3 fps	2 fps	1.8 fps	1.8 fps	1.8 fps	2.3 fps	2.3fps	3 fps	2.3 fps	3 fps	3 fps	2.5 fps
Unlimited Consecutive Shooting	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Multiple Exposure	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	●
Film Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Color Mode / Color Effect Mode	●	●	●	●(Bracketing)	●	●	●	(Bracketing)	(Bracketing)	●	●	●	●	●	●	●	●	●	-
Picture Adjustment	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
RAW Format Compatiblility	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●

*When recording at 3M resolution or less.

LCD Functions

Intelligent LCD
In a brightly lit place, such as outdoors under the sun, the Auto Power LCD function increases the brightness level of the backlight by about 40% maximum in several steps. When shooting in a dark place, such as at night, the frame rate is adjusted based on the pixel mixed readout method to brighten the screen in two to three steps.

Wide-Viewing-Angle LCD
The LCD offers a wide viewing angle from any direction, making it easy to confirm images, even when looking at the screen diagonally.
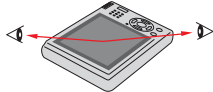
High Angle Mode
Makes it easier to see the monitor while holding the camera high to shoot over a crowd.

Real-Time Histogram
This graph, which can be displayed in the LCD as you compose the shot, shows the status of the exposure and contrast in real-time.

Highlight Display
A flashing indicator on the LCD shows any parts of the image that have been overexposed.

Composition Guidelines
You can use composition guidelines from two patterns* according to the shooting subject. And guidelines can be shown at the same time as other information and icons.
*Not offered on all models.

Easy-to-See Menu Display
The layout of the settings in the menu display is extremely simple, making it easy to see and switch the settings.

Playback Functions

Multi Display
After shooting, enjoy viewing your photos on your LUMIX camera's LCD. View them as a slide show; display 1, 12 or 30 images at a time; or use Calendar View to see thumbnails of all the shots taken on a particular date.

Slideshow
You can watch an ordinary slide show that displays every image, or you can use Favorite Image Slideshow and specify which images to play. You can also select background music to make your slideshow even more entertaining.

Category Playback
This function sorts photos into several categories – Portrait, Scenery, Event, and others – and lets you play back the images or view slideshows of the shots in a particular category.

Personal Category Playback
Using Face Recognition technology, the camera can find photos of people you specify, and arrange a slideshow of just those photos. This is a big help, for example, when you've taken a number of photos of someone and you want to choose the best one.

Mode Playback
With this function, the camera will automatically organize all of the still and motion images that are mixed together in memory. This makes it possible to view still images, AVCHD Lite motion images and Motion JPEG images separately.

Dual-Image Playback
The dual-image playback display feature makes it easier to compare two images in detail to see the differences in focus accuracy and contrast.

9 Still Images Cut Out from a Motion Image
Motion images can be converted into a series of nine or just one snapshot. This is effective in moving scenes when you want to look carefully at the movement of a sportsperson, etc.

Image Leveling
Pictures that lean to the right or left can be corrected horizontally or vertically.
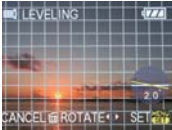
Convenient Functions

Quick Menu
You can instantly access a variety of the settings needed most often. These include white balance, ISO sensitivity, image size, compression format, auto focus mode, light metering and so on.

World Time Setting
After you select one of 74 locations on the map, the camera automatically calculates and displays the local time.

Travel Date Setting
Input the time and date of your departure before you leave home, then use the camera to capture all the best moments of your trip. When you view the photos later, the camera will display them according to the day of the trip each photo was taken.

Travel Mode
The camera automatically arranges photos and movies using data such as the dates and locations of where they were taken. This makes it easier to enjoy your travel images in slideshows of photos and movies.

Title Edit
Using the cursor button on the camera, you can edit titles onto your images – people's names, places, events or other information.

Text Stamp
When traveling, you can stamp the day of the trip on the photos you take. Or, if you have a baby, you can stamp his or her age in months and name on your photos. The stamped information appears on photos.
*When the date is stamped on a photo, the photo is automatically resized to 3M (4:3)/2.5M (3:2)/2M (16:9), or the original size is maintained for photos smaller than 3M. However, you can choose either to save or overwrite the original picture.

Audio Recording
Add 5 seconds of sound to pictures as you shoot. Or, if you prefer, add up to 10 seconds of sound after shooting.

HD Output
Using an optional HDMI mini cable or component cable you can connect your LUMIX camera to an HDTV, and view your HD photos and HD movies (1080i) in stunning high-definition quality.

VIERA Link
Connect your LUMIX camera to a Panasonic VIERA TV with an HDMI mini cable (purchased separately), and it's easy to view your photos and motion images on the big screen. Just use the TV remote to select or play the images. You enjoy stunning HD images and sounds, with quick, easy connection and effortless operation.

Focus Icon
Instead of the ordinary "●" mark on the LCD that indicates when your subject is in focus, you can choose a heart, flower or three other symbols.

Comparison Chart

LCD Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Intelligent LCD	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●
Wide-Viewing-Angle LCD	●	-	●	●	●	-	●	●	●	-	-	-	-	-	-	-	-	-	●
High Angle Mode	-	●	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	●	-
Real-Time Histogram	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	●
Highlight Display	-	-	-	●	-	-	●	●	●	-	-	-	-	-	-	-	-	-	●
Composition Guidelines	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Easy-to-See Menu Display	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	●	●	-

Playback Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Multi Display	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Slideshow	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Category Playback	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	●
Personal Category Playback	●	●	●	●	●	●	-	●	●	-	-	-	-	-	-	-	-	-	-
Mode Playback	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
Dual-Image Playback	-	-	-	-	-	-	-	●	-	●	-	-	-	-	-	-	-	-	●
9 Still Images Cutout from a Motion Image	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-
Image Leveling	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	●

Convenient Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Quick Menu	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
World Time Setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Travel Date Setting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Travel Mode	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Title Edit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Text Stamp	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Audio Recording	●	●	●	-	●	●	●	●	●	-	-	●	-	-	-	-	-	-	-
HD Output	● (Component)	● (Component)	● (Component)	● (HDMI)	● (HDMI)	-	● (HDMI)	● (Component)	● (Component)	-	-	-	-	-	-	-	-	-	● (Component)
VIERA Link	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
Focus Icon	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	-	-	-	-

Movie Functions

Intelligent Auto Mode (Movie)
Select iA mode, and your LUMIX camera automatically activates a host of advanced functions and technologies – described below – that make it easy to capture beautiful, clear motion images.

MEGA O.I.S. (Optical Image Stabilizer)
This function fights blurring due to shaky hands as you shoot. You get crisp, sharp shots, even at high zoom levels. *The FZ35 is equipped with POWER O.I.S.

Face Detection AF/AE
This function detects when there are faces in the frame, and automatically adjusts the exposure, contrast, skin complexion effect, and focus so they turn out perfectly. It can find up to 15 faces in a frame.

Intelligent Scene Selector
This function senses the shooting conditions and selects the scene setting (Portrait, Scenery, Low Light, or Macro) that will provide the best results.

Intelligent Exposure
This function continually checks the ambient light level and adjusts the exposure setting as conditions change, preventing blown highlights and blocked shadows.

HD Movie
You can shoot high-quality HD motion images in the progressive format, which minimizes flicker. The 1280 x 720-pixel images provide spectacular viewing on a large-screen HDTV. If you're using a LUMIX model that features the AVCHD Lite (MPEG-4/H.264), you can record for a longer time without running out of memory because AVCHD Lite stores less data than the conventional Motion JPEG.

Movie Button
Press this button and the camera starts recording right away, regardless of whether it's in Rec or Play mode. You're ready to shoot quickly when there's a sudden shooting opportunity.

Zoom-in Movie
You can zoom in and out while shooting motion images, just like with stills.

Movie Scene Modes
17 different scene modes including sports, portrait, low light, surf and snow modes make it easy to get great motion images in specific situations.

Wind Cut
A digital circuit detects the wind direction and velocity and adjusts the directivity of the microphones accordingly. This dramatically reduces both wind noise and sound degradation in the low frequency range.

Stereo Microphone
The LUMIX cameras are the first* in the industry to feature Dolby® Digital Creator sound. In addition to recording voices clearly, this high-quality system captures audio that conveys the atmosphere of the shooting location. * As of January 27, 2009.

Optional Functions

Tele Conversion Lens
Increases your total zoom power. Gives you the power to bring even more distant objects into range.
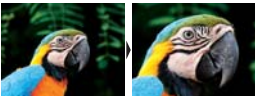
Wide Conversion Lens
Increases the field of view at lower zoom settings, so you can shoot a wider area.

Close-up Lens
This lens is excellent for impressive macro photography. The distance to the subject is reduced to between 40 and 50 cm (1.31 to 1.64 ft) in telephoto shots. Better depth of field and enlargement.

MC Protector
Protects the camera lens from scratches and other damage.

ND (Neutral Density) Filter
Reduces light intensity by 3 aperture stops and allows slower shutter speeds.

PL (Polarizing) Filter
Helps eliminate reflections while preserving the naturally vivid colors of the subject.

External TTL Flash
Provides perfect lighting for shots of subjects farther away in the dark.

External Viewfinder
This compact optical viewfinder attaches to the hot shoe. It comes with a 24mm frame (35mm camera equivalent).

Marine Case
Explore the exciting world of underwater photography. You can also use this waterproof case for worry-free shooting in wet weather, at the beach, or on the ski slopes.

Component Cable
This cable lets you connect your LUMIX camera directly to an HDTV, so you can view your HD photos and HD movies (1080i) with the incredible resolution, detail and vibrancy today's HDTVs provide.

HDMI Mini Cable
This cable lets you send your still photos and motion images (and the accompanying soundtrack) from the camera directly to an HDTV, with virtually no degradation.

Included Software

PHOTOfunSTUDIO
This clever software sorts photos into practical folders that are created automatically as you upload the photos from the camera to a PC. The folders and their icons are linked with your LUMIX by the Rec mode or Scene mode names. The software* also lets you use your PC to view AVCHD Lite movies that you record with LUMIX. * Version 3.0 HD Edition or 4.0 HD Edition only.

SILKYPIX® Developer Studio
This application lets you produce high-resolution images from RAW data recorded with your camera. In addition to adjusting the exposure and white balance, it lets you perform advanced color conversions, correct lens aberrations, and eliminate noise in dark areas of the image.

ArcSoft® Panorama Maker™
Use this to stitch together photos that you took in Panorama Assist mode. You can easily create incredible, natural-looking panorama photos.

Rec. Mode (Mode Dial / Mode Button)

Intelligent Auto Mode
This mode not only helps eliminate blurring from hand-shake or subject movement, it also helps you capture perfect portraits by detecting the face and selecting the focus, exposure and Scene mode that get the best results. And it's all automatic.

Normal Picture (Program AE) Mode
The camera automatically determines the subject's brightness and sets the aperture and shutter speed accordingly. You can adjust the white balance, ISO sensitivity and other settings*. *These settings can be adjusted in all modes except Motion Picture mode.

Macro (Close-up) Mode
Use this mode to take incredible close-ups. You can focus on subjects within about 5 cm (0.16 ft) of the lens*. *3 cm (0.098 ft) for the ZR1, FX65, and TZ series / 1 cm (0.03 ft) for the FZ35 and LX3; when shooting with the lens in the wide-angle setting. (Show feet in inches, and show inches first, cms second).

Tele Macro
Set the zoom to maximum telephoto and you can take shots at a mere 1 m (3.28 ft) from the subject, with the background in soft focus.

Macro Zoom
Using the digital zoom function, you can pull subjects even closer than the closest point possible with the wide-angle setting, and capture dramatic close-ups.

P Program AE Mode
The camera makes the optimal aperture and shutter speed settings for you.

A Aperture Priority AE Mode
Set the aperture to between F2.8 and F8.0* to obtain the desired depth of field. *This range varies by model. For details, please see the specifications on pages 36 to 41.

S Shutter Priority AE Mode
Set the shutter speed between 1/2000 and 60 seconds to freeze or emphasize movements.

M Manual Exposure Mode
You have full control over both the shutter speed and aperture.

Motion Picture Mode
You can shoot smooth motion images at 30 fps, complete with sound, in WVGA (848 x 480) or VGA size (640 x 480). Some models can also record motion images in high definition (720p). When viewing the results, you will be suitably impressed by displaying 16:9 motion images on a large-screen HDTV.

Creative Movie Mode
You can adjust the aperture and shutter speed any way you like. This mode gives you a wider range of expressive possibilities to explore in your movie making.

My Color Mode
You can freely adjust the color, brightness and saturation parameters. This makes it easier and more fun to create interesting, expressive images.

C1/C2 Custom Mode
You can store in memory up to three sets of frequently used settings, such as the Scene mode, white balance and AF and photometry modes. Later, you can instantly recall those settings by selecting Custom mode.

Clipboard Mode
You can take photos of maps, timetables and other travel info. They are saved in a separate folder of the built-in memory to distinguish them from normal photos.

Advanced SCN Modes
In Scenery, Portrait, Sports, Night Portrait and Close-up modes, you can select additional, more detailed settings, such as Normal, Indoor, Outdoor, and Creative.

Portrait	Normal, Soft Skin, Outdoor, Indoor, Creative
Scenery	Normal, Nature, Architecture, Creative
Sports	Normal, Outdoor, Indoor, Creative
Night Portrait	Night Portrait, Night Scenery, Illuminations, Creative
Close-up	Flower, Objects, Food, Creative

MS My SCN Mode
You can register the Scene modes you use most often, and then select them instantly when you need them.

SCN SCN Modes
Select one or two of the modes on the following page to suit the shooting situation. You can also access a help screen that explains what each mode is for.

Comparison Chart

Movie Functions	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Intelligent Auto Mode (Movie)	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
HD Movie	●	●	●	● (AVCHD Lite)	● (AVCHD Lite)	-	● (AVCHD Lite)	●	●	-	-	-	-	-	-	-	-	-	●
Movie Button	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
Zoom-in Movie	●	●	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-
Movie Scene Modes	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
Wind Cut	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-
Stereo Microphone	-	-	-	●	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-

Optional Accessories	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Tele Conversion Lens	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wide Conversion Lens	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Close-up Lens	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MC Protector	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
ND (Neutral Density) Filter	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
PL (Polarizing) Filter	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
External TTL Flash	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
External Viewfinder	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Marine Case	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-
Component Cable	●	●	●	-	-	-	●	●	●	-	-	-	-	-	-	-	-	-	●
HDMI Mini Cable	-	-	-	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-

Included Software	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
PHOTOfunSTUDIO (Version)	4.0	4.0	4.0	4.0 HD Edition	3.0 HD Edition	3.0	3.0 HD Edition	3.0	2.1E	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.1E
SILKYPIX® Developer Studio	-	-	-	●	-	-	-	-	●	-	-	-	-	-	-	-	-	-	●
ArcSoft® Panorama Maker™	●	●	●	●	●	●	●	●	●	●	-	●	-	●	-	-	-	-	●

Rec. Mode (Mode Dial / Mode Button)	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Intelligent Auto Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-
Normal Picture (Program AE) Mode	●	●	●	-	●	●	●	-	-	●	●	●	●	●	●	●	●	●	-
Macro (Close-up) Mode	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Tele Macro)(Macro Zoom)	● (Tele Macro)(Macro Zoom)	● (Tele Macro)(Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	●	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	● (Macro Zoom)	●	●	●	●
Program AE Mode	-	-	-	●	-	-	-	●	●	-	-	-	-	-	-	-	-	-	●
Aperture Priority AE Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Shutter Priority AE Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Manual Exposure Mode	-	-	-	●	-	-	-	-	● (Simple)	-	-	-	-	-	-	-	-	-	●
Motion Picture Mode	●	●	●	Movie Button	Movie Button	●	Movie Button	●	●	●	●	●	●	●	●	●	●	●	●
Creative Movie Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
My Color Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1/C2 Custom Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Clipboard Mode	●	-	●	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-
Advanced SCN Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MS My SCN Mode	●	●	-	-	●	-	-	●	-	●	●	●	●	-	●	-	●	●	-
SCN SCN Modes	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

*Included in the detailed settings of the Advanced SCN modes.

SCN (Scene) Modes

Portrait Mode
Adjusts the exposure and coloration so that skin tones look true and natural.

Soft Skin Mode
Softens the tone in skin-color areas, making minor blemishes and wrinkles less noticeable.

Scenery Mode
Provides quick focusing and crisp detail - especially good for shooting landscapes or scenery.

Sports Mode
Uses a higher shutter speed, making it possible to catch clear, sharp, dynamic action shots.

Panning Mode
Conveys a sense of motion by capturing a moving subject in crisp focus and blurring the background.

Night Portrait Mode
For portraits against nighttime scenery, using a flash. Hold the camera firmly and the subject should keep still for at least 1 second.

Night Scenery Mode
For taking a picture with night scenery. Shutter will be set to max. 8 sec. Be sure to use a tripod.

Self-Portrait Mode
Aim the camera at yourself, wait for the LED to light up (indicating that you're in focus), and take the shot.

Food Mode
Good for taking shots of special meals, this mode assures that colors are fresh, vivid and natural in all kinds of lighting.

Party Mode
For indoor shots. Colors come out more naturally with artificial light.

Candle Light Mode
Lets you capture the naturally warm color of scenes lit by candles.

Fireworks Mode
Uses a slower shutter speed to capture the glittering beauty of fireworks.

Starry Sky Mode
For shots of the night sky or other nighttime scenes with exposures of up to 60 seconds.

Beach Mode
Avoids underexposure of the subject in strong sunlight.

Aerial Photo Mode
For shooting through an airplane window.

Snow Mode
Exposure and white balance are set to reproduce snow in its true whiteness.

High Sensitivity Mode
Raises the ISO sensitivity, which lets you shoot at a higher shutter speed to prevent blurred shots of moving subjects. *3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size; Note that resolution is significantly lower at this setting.

Baby Mode (1 and 2)
Skin tones are slightly softened to enhance beauty. Input the date of your baby's birthday, and keep a running photographic record as he or she grows up. You can also input your baby's name. You can set two birth dates to track two different children.

Underwater Mode
Intended especially for underwater use with the optional Marine Case, this mode gives photos natural coloring even when the subject is lit by only a small amount of light.

Sunset Mode
Emphasizing red tones, this mode is designed to capture clear, vivid shots of colorful sunsets.

Pet Mode
Because pets often won't hold still, this mode switches the camera to Intelligent ISO Control, which helps prevent motion blur. If you input your pet's date of birth, its age in months (at the time a photo was taken) is displayed when you view photos. You can also input the pet's name or other.

Hi-Speed Burst Mode
You can capture a crucial moment with perfect timing. *3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size.

Flash Burst Mode
You can take consecutive flash shots without having to wait for the flash to recharge. *3M (4:3), 2.5M (3:2) or 2M (16:9) is selected as the picture size.

Pin Hole Mode
The light intensity at the periphery of the shot image is reduced to make the picture look as if it was shot with a pinhole camera.

Film Grain Mode
This mode converts the image to a monochromatic picture and then enhances the contrast to create a film grain effect.

Transform Mode
You can expand or contract the image in the horizontal direction to create a different, fun photo. Expansion/contraction can be set in 5 steps.

Slimming   Normal   Stretching

Panorama Assist Mode
This mode helps you take a series of images for use in a panorama photo, checking to ensure that adjacent shots have sufficient overlap. *You can use ArcSoft® Panorama Maker™ software (included with the camera) to stitch the images into a single panorama photo.

Photo Frame Mode
You can compose your shot while displaying one of the borders registered in the camera. This is a quick, easy way to produce photos with attractive borders. *The picture size is automatically resized to 2M (or below).

Beach & Surf Mode
This mode prevents both the blue cast that typically occurs with images recorded underwater and the blown highlights that often result in photos taken on bright days at the beach.

High Dynamic Mode
This mode allows you to take artistic photos that contain both dark and bright areas. You can select either of three options, Standard, Art, or B/W, depending on the desired effect and taste.

Comparison Chart

SCN (Scene) Modes	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
Portrait Mode	●	●	●	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Soft Skin Mode	●	●	●	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Scenery Mode	●	●	●	●*	●	●	Mode Dial	●	●	●	●	●	●	●	●	●	●	●	●
Sports Mode	●	●	●	●*	●	●	Mode Dial	●	●	●	●	●	●	●	●	●	●	●	●
Panning Mode	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Night Portrait Mode	●	●	●	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Night Scenery Mode	●	●	●	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Self-Portrait Mode	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Food Mode	●	●	●	●*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Party Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Candle Light Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fireworks Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Starry Sky Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Beach Mode	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●
Aerial Photo Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Snow Mode	●	●	●	●	●	●	Mode Dial	●	●	●	●	●	●	●	●	●	●	●	●

SCN (Scene) Modes	ZR1	FP8	FX65	FZ35	TZ7	TZ6	FT1	FX580	FX180	FS25	FS15	FS12	FS7	FS62	FS6	FS42	FS4	LS85	LX3
High Sensitivity Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Baby Mode (1 and 2)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Underwater Mode	●	-	-	-	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-
Sunset Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pet Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hi-Speed Burst Mode (Maximum)	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	10 fps	7 fps	5 fps	5 fps	5 fps	6 fps	6 fps	5.5 fps	6 fps	5.5 fps	4.5 fps	6 fps
Flash Burst Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●
Pin Hole Mode	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-	●
Film Grain Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	●
Transform Mode	●	●	●	-	●	●	●	●	●	●	●	●	●	-	-	-	-	-	●
Panorama Assist Mode	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	●
Photo Frame Mode	●	●	●	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-
Beach & Surf Mode	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-
High Dynamic Mode	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Included in the detailed settings of the Advanced SCN modes.

Specifications

Category	Item	DMC-ZR1	DMC-FP8	DMC-FX65	DMC-FZ35	DMC-TZ7	DMC-TZ6
CCD	Camera Effective Pixels	12.1 megapixels	12.1 megapixels	12.1 megapixels	12.1 megapixels	10.1 megapixels	10.1 megapixels
	Sensor Size / Total Pixels / Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.5" / 10.3 total megapixels / Primary Color Filter
Lens	Aperture	F3.3 ~ 5.9 / 2 Step [F3.3 ~ 10 (W)] / F5.9 ~ 18 (T)]	F3.3 ~ 5.9 / 2-Step [F3.3 ~ 10 (W) / F5.9 ~ 18 (T)]	F2.8 ~ 5.9 / Iris Diaphragm [F2.8 ~ 6.3 (W) / F5.9 ~6.3 (T)]	F2.8 ~ 4.4 / Multistage Iris Diaphragm [F2.8 ~ 8.0 (W) / F4.4 ~ 8.0 (T)]	F3.3 ~ 4.9 / Iris Diaphragm [F3.3 ~ 6.3 (W) / F4.9 ~ 6.3 (T)]	F3.3 ~ 4.9 / Iris Diaphragm [F3.3 ~ 6.3 (W) / F4.9 ~ 6.3 (T)]
	Optical Zoom / Focal Length	8x / f= 4.5 ~ 36.0 mm (35 mm equiv.: 25 ~ 200 mm)	4.6x / f=5.0 ~ 23.0 mm (35 mm equiv.: 28 ~ 128 mm)	5x / f=4.5 ~ 22.5 mm (35 mm equiv.: 25 ~ 125 mm)	18x / f=4.8 ~ 86.4 mm (35 mm equiv.: 27 ~ 486 mm)	12x / f= 4.1 ~ 49.2 mm (35 mm equiv.: 25 ~ 300 mm) (available in Motion Picture mode)	12x / f= 4.1 ~ 49.2 mm (35 mm equiv.: 25 ~ 300 mm)
	Extra Optical Zoom (Max.)	15.6x (3M or below)	9.1x (3M or below)	9.8x (3M or below)	35.2x (3M or below)	21.4x (3M or below)	21.4x (3M or below)
	Lens System	LEICA DC VARIO-ELMAR / 9 elements in 7 groups / (4 aspherical lenses)	LEICA DC VARIO-ELMAR / 10 elements in 8 groups / (5 aspherical lenses, 1 ED lens)	LEICA DC VARIO-ELMARIT / 10 elements in 8 groups / (3 aspherical lenses, 1 ED lens)	LEICA DC VARIO-ELMARIT / 11 elements in 9 groups / (3 aspherical lenses, 2 ED lenses)	LEICA DC VARIO-ELMAR / 10 elements in 8 groups (2 aspherical lenses, 2 ED lenses)	LEICA DC VARIO-ELMAR / 10 elements in 8 groups (2 aspherical lenses, 2 ED lens)
Optical Image Stabilizer		POWER O.I.S. [Auto / Mode1 / Mode2]	POWER O.I.S. [Auto / Mode1 / Mode2]	POWER O.I.S. [Auto / Mode1 / Mode2]	POWER O.I.S. [Auto / Mode1 / Mode2]	MEGA O.I.S. [Auto / Mode1 / Mode2]	MEGA O.I.S. [Auto / Mode1 / Mode2]
Digital Zoom		4x [Max. 62.5x combined with Extra Optical Zoom]	4x [Max.36.3x combined with Extra Optical Zoom]	4x [Max. 39.2x combined with Extra Optical Zoom]	4x [Max. 140x combined with Extra Optical Zoom]	4x [Max. 85.5x combined with Extra Optical Zoom]	4x [Max. 85.5x combined with Extra Optical Zoom]
Focus	Focusing Area	Normal: 50 cm (1.64 ft) (W) ~ ∞ / Macro / Intelligent AUTO: 3 cm (0.098 ft) (W) / 100 cm (3.28 ft) (T) ~ ∞	Normal: 30 cm (0.98 ft) ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) (W) / 30 cm (0.98 ft) (T) ~ ∞	Normal: 50 cm (1.64 ft) (W) ~ ∞ / Macro / Intelligent AUTO / Clipboard: 3 cm (0.098 ft) (W) / 100 cm (3.28 ft) (T) ~ ∞	Normal: 30 cm (0.98 ft) (W) ~ ∞ / Macro / Intelligent AUTO: 1 cm (0.03 ft) (W) / 200 cm (6.56 ft) (T) ~ ∞ / Tele Macro (12 ~ 18x (T)): 100 cm (3.28 ft) ~ ∞	Normal: 50 cm (1.64 ft) (W) / 200 cm (6.56 ft) (T) ~ ∞ / Macro / Intelligent AUTO / Clipboard: 3 cm (0.098 ft) (W) / 200 cm (6.56 ft) (T) ~ ∞ / Tele Macro: 100 cm (3.28 ft) ~ ∞	Normal: 50 cm (1.64 ft) (W) / 200 cm (6.56 ft) (T) ~ ∞ / Macro / Intelligent AUTO / Clipboard: 3 cm (0.098 ft) (W) / 200 cm (6.56 ft) (T) ~ ∞ / Tele Macro: 100 cm (3.28 ft) ~ ∞
	AF Assist Lamp	Yes	Yes	Yes	Yes	Yes	Yes
	Focus	Normal / Macro, Zoom Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Zoom Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Zoom Macro, Continuous AF (On / Off), Quick AF (On / Off)	Normal / Macro, Zoom Macro, Quick AF (On / Off), Continuous AF (On / Off), AF/MF switchable, Manual Focus (Joystick), One Shot AF, AF area select, AF Tracking	Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)
	AF Mode	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot
Recording File Format	Still Image	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), RAW, DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible
	Still Image with Audio	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	-	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime
	Motion Image	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	AVCHD Lite, QuickTime Motion JPEG	AVCHD Lite, QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels)	Still Image 4:3	12M (4000 x 3000) / 8M (3264x2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
	Still Image 3:2	10.5M (4000 x 2672) / 7M (3264x2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	9.5M (3776 x 2520) / 6.5M (3168 x 2112) / 4.5M (2656 x 1768) / 3M (2112 x 1408) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)
	Still Image 16:9	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (3968 x 2232) / 6M (3328 x 1872) / 4.5M (2784 x 1568) / 2.5M (2208 x 1248) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)
	Motion Image 4:3	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)
	Motion Image 16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
	Motion Image HD	1280 x 720 at 30 fps (Motion JPEG)	1280 x 720 at 30 fps (Motion JPEG)	1280 x 720 at 30 fps (Motion JPEG)	1280 x 720 at 50p* (AVCHD Lite, SH: 17 Mbps / H: 13 Mbps / L: 9 Mbps) / 30 fps (Motion JPEG) *CCD output is 25p.	1280 x 720 at 50p* (AVCHD Lite, SH: 17 Mbps / H: 13 Mbps / L: 9 Mbps) / 30 fps (Motion JPEG) *CCD output is 25p.	-
Image Quality		Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard / RAW / RAW+JPEG	Fine / Standard	Fine / Standard
Rec. Mode	Mode Dial / Mode Button	Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture, Clipboard	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, SCN, My SCN, Clipboard	Intelligent AUTO, P, A, S, M, Creative Movie, Portrait, Scenery, Sports, Night Portrait, Close-up, SCN, My Color, Custom	Intelligent AUTO, Normal Picture, My SCN1, My SCN2, SCN, Clipboard	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture, Clipboard
	iA Direct Button	-	-	-	-	-	-
	Movie Button	-	-	-	Yes	Yes	-
	Still Image SCN Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Dynamic (Standard / Art / B&W), Photo Frame, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Dynamic (Standard / Art / B&W), Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Dynamic (Standard / Art / B&W), Photo Frame	Panorama Assist, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Panning, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Dynamic (Standard / Art / B&W), Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Underwater
	Movie SCN Mode	-	-	-	Portrait, Soft Skin, Flower, Scenery, Low Light, Food, Party, Candle Light, Sunset, Beach, Snow, Aerial Photo, Pinhole, Film Grain, High Sensitivity, Panning, Objects , Creative Movie (P / S / A / M), High Dynamic (Standard / Art / B&W), (Activated by selecting Still Image SCN Mode then pressing Movie Button. Still Image SCN Modes without corresponding Movie SCN Mode is recorded in Normal Mode.)	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Low Light, Food, Party, Candle Light, Sunset, Beach, Snow, Aerial, Pinhole, Film Grain, Underwater, High Sensitivity (Activated by selecting Still Image SCN Mode then pressing Movie Button. Still Image SCN Modes without corresponding Movie SCN Mode is recorded in Normal Mode.)	-
	Advanced SCN Mode	-	-	-	Portrait: Normal, Soft Skin, Outdoor, Indoor, Creative / Scenery: Normal, Nature, Architecture, Creative / Sports: Normal, Outdoor, Indoor, Creative / Night Portrait : Night Portrait, Night Scenery, Illuminations, Creative / Close-up: Flower, Food, Objects, Creative	-	-
Continuous Shooting	Full-Resolution Image	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.5 fps; Max. 5 (Standard) / 3 (Fine) images
	Hi-Speed Burst Mode (Max.)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Unlimited Consecutive Shooting*		Yes			Yes	
Shutter Speed		8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/1300 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 ~ 1/2000 sec / Creative Movie mode: 1/30 ~ 1/20000 sec (1/8 ~ 1/20000 sec in MF and Manual Exposure)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure		Program AE	Program AE	Program AE	Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE	Program AE
Exposure Compensation		1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV
Backlight Compensation		Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)
Auto (AE) Bracketing		+/-1/3 EV ~ 1 EV step, 3 frames	+/-1/3 EV ~ 1 EV step, 3 frames	+/-1/3 EV ~ 1 EV step, 3 frames	+/-1/3 EV ~ 1 EV step, 3 frames	+/-1/3 EV ~ 1 EV step, 3 frames	+/-1/3 EV ~ 1 EV step, 3 frames
Color Bracketing		-	-	-	Standard / Black & White (2 images), Standard / Sepia (2 images), Standard / Black & White (3 images)	-	-
Light Metering		Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity		Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)
White Balance		Auto / Daylight / Cloudy / Shade / Halogen / White Set / Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / Flash / White Set1 / White Set2 / 2-axis adjustable in +/- 9 steps	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Adjustable in +/-10 steps (except Auto)
Face Recognition		Yes	Yes	Yes	Yes	Yes	-
Film Mode		-	-	-	-	-	-
Color Mode / Color Effect		Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm
Picture Adjustment		-	-	-	Contrast / Sharpness / Saturation / Noise Reduction	-	-
Self Timer		2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec / 10 sec (3 images)	2 sec / 10 sec	2 sec / 10 sec
Playback Mode		Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Travel Playback, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, DPOF print setting, Playback of motion pictures (AVCHD Lite / Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (AVCHD Lite / Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (Motion JPEG)
LCD Monitor		2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	2.7" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" TFT LCD (460K dots), Approx. 100% coverage, Wide Viewing Angle	2.7" TFT LCD (230K dots), Approx. 100% coverage
Viewfinder		-	-	-	0.20" Color EVF (201.6K dots equiv.), Approx. 100% coverage, Lens 19.6x	-	-
Flash	Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off, Flash Synchro: 1st / 2nd;Flash Output Adjustment (1/3 EV step, –2 ~ +2 EV)	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off
	Flash Range (ISO Auto)	0.6 ~ 5.3 m (1.97 ~ 17.4 ft) (W) / 1.0 ~ 2.9 m (3.28 ~ 9.51 ft) (T)	0.3 ~ 5.5 m (0.99 ~ 18 ft) (W) / 0.3 ~ 3.1 m (0.99 ~ 10.2 ft) (T)	0.6 ~ 6.0 m (1.97 ~ 19.7 ft) (W) / 1.0 ~ 2.8 m (3.28 ~ 9.18 ft) (T)	0.3 ~ 8.5 m (0.98 ~ 27.9 ft) (W) / 1.0 ~ 5.4 m (3.28 ~ 17.7 ft) (T)	0.6 ~ 5.3 m (1.97 ~ 17.39 ft) (W) / 1.0 ~ 3.6 m (3.28 ~ 11.81 ft) (T)	0.6 ~ 5.3 m (1.97 ~ 17.39 ft) (W) / 1.0 ~ 3.6 m (3.28 ~ 11.81 ft) (T)
	Digital Red-Eye Correction	Yes	Yes	Yes	Yes	Yes	Yes
Recording Media		Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)
Built-in-Memory		Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 40 MB	Approx. 40 MB
Microphone / Speaker		Mono / Yes	Mono / Yes	Mono / Yes	Stereo (Dolby® Digital Stereo Creator) / Yes	Stereo / Yes	Stereo / Yes
Interface		HD Component Output, AV Output (NTSC/PAL, NTSC only in North America) / USB2.0 High Speed, DC Input	HD Component Output, AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input	HD Component Output, AV Output (NTSC/PAL, NTSC only in North America) / USB2.0 High Speed	mini HDMI, USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) /	mini HDMI, USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)	USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)
HDMI Output		-	-	-	Video: Auto / 1080i / 720p / 480p (576p in PAL areas) / Audio: Dolby® Digital Stereo Creator	Video: Auto / 1080i / 720p / 576p / Audio: Dolby® Digital Stereo Creator	-
Direct Print		PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Battery		ID-Security Li-ion Battery Pack (3.6 V, Typical: 950 mAh / Minimum: 895 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (7.2 V, Typical: 710 mAh / Minimum: 695 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 950 mAh / Minimum: 895 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 950 mAh / Minimum: 895 mAh), AC Adapter (optional)
Battery Life (CIPA**)		Approx. 330 images	Approx. 380 images	Approx.360 images	Approx. 470 images	Approx. 300 images	Approx. 320 images
Included Software		PHOTOfunSTUDIO 4.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™	PHOTOfunSTUDIO 4.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 4.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 4.0 HD Edition, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 4.0 HD Edition, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver
Standard Accessories		Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Lens Cap, Lens Cap Strap, Lens Hood, Hood Adapter, AV Cable, USB Cable, AC Cable, Shoulder Strap, CD-ROM	Battery Charger, Battery Pack, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM
Dimensions (W x H x D)		Approx. 97.8 x 54.6 x 26.0 mm (3.85 x 2.14 x 1.02 in)	Approx. 95.7 x 59.6 x 20.2 mm (3.77 x 2.35 x 0.80 in)	Approx. 97.2 x 54.1 x 19.4 mm (3.83 x 2.13 x 0.76 in)	Approx. 117.6 x 75.8 x 88.9 mm (4.63 x 2.98 x 3.5 in)	Approx. 103.3 x 59.6 x 32.8 mm (4.07 x 2.35 x 1.29 in)	Approx. 103.3 x 59.6 x 32.8 mm (4.07 x 2.35 x 1.29 in)
Weight (Body Only)		Approx. 138 g (0.30 lb)	Approx. 131 g (0.29 lb)	Approx. 126 g (0.28 lb)	Approx. 367 g (0.81 lb)	Approx. 206 g (0.45 lb)	Approx. 206 g (0.45 lb)

Specifications

		DMC-FT1	DMC-FX580	DMC-FX180	DMC-FS25	DMC-FS15	DMC-FS12
CCD	Camera Effective Pixels	12.1 megapixels	12.1 megapixels	14.7 megapixels	12.1 megapixels	12.1 megapixels	12.1 megapixels
	Sensor Size / Total Pixels / Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/1.72" / 15.0 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter	1/2.33" / 12.7 total megapixels / Primary Color Filter
Lens	Aperture	F3.3 – 5.9 / 2-Step [F3.3 – 10 [W] / F5.9 – 18 [T]]	F2.8 – 5.9 / Iris Diaphragm [F2.8 – 8 [W] / F5.9 – 8 [T]]	F2.8 – 5.6 / 2-Step [F2.8 – 9.0 [W] / F5.6 – 18.0 [T]]	F3.3 – 5.9 / Iris Diaphragm [F3.3 – 8.0 [W] / F5.9 – 8.0 [T]]	F3.3 – 5.9 / Iris Diaphragm [F3.3 – 8.0 [W] / F5.9 – 8.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]
	Optical Zoom / Focal Length	4.6x / f=4.9 ~ 22.8 mm (35 mm equiv.: 28 – 128 mm)	5x / f=4.4 ~ 22.0 mm (35 mm equiv.: 25 – 125 mm)	3.6x / f=6.0 ~ 21.4 mm (35 mm equiv.: 28 – 100 mm)	5x / f=5.2 – 26.0 mm (35 mm equiv.: 29 – 145 mm)	5x / f=5.5 – 22.0 mm (35 mm equiv.: 29 – 145 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 31 ~ 124 mm)
	Extra Optical Zoom (Max.)	9.1x (3M or below)	9.8x (3M or below)	7.7x (3M or below)	9.8x (3M or below)	9.8x (3M or below)	7.8x (3M or below)
	Lens System	LEICA DC VARIO-ELMAR / 10 elements in 8 groups (5 aspherical lenses, 1 ED lens)	LEICA DC VARIO-ELMARIT / 7 elements in 6 groups (4 aspherical lenses, 1 EA lens)	LEICA DC VARIO-ELMARIT / 7 elements in 6 groups (4 aspherical lenses, 1 EA lens)	LEICA DC VARIO-ELMAR / 7 elements in 6 groups (3 aspherical lenses)	LEICA DC VARIO-ELMAR / 7 elements in 6 groups (3 aspherical lenses)	LUMIX DC VARIO / 6 elements in 5 groups (3 aspherical lenses)
Optical Image Stabilizer		MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)
Digital Zoom		4x (Max. 36.3x combined with Extra Optical Zoom)	4x (Max. 39.2x combined with Extra Optical Zoom)	4x (Max. 30.8x combined with Extra Optical Zoom)	4x (Max.39.1x combined with Extra Optical Zoom)	4x (Max.39.1x combined with Extra Optical Zoom)	4x (Max.31.2x combined with Extra Optical Zoom)
Focus	Focusing Area	Normal: 30 cm (0.98 ft) ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 30 cm (0.98 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 30 cm (0.98 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 100 cm (3.28 ft) [T] ~ ∞	Normal: 50 cm (1.64 ft) [W] ~ ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] ~ ∞
	AF Assist Lamp	Yes (and LED Illumination light)	Yes	Yes	Yes	Yes	Yes
	Focus	Normal / Macro, Continuous AF (On / Off), AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Touch AF Tracking (On / Off), Quick AF (On / Off)	Normal / Macro, Quick AF (On / Off), AF area select, AF Tracking	Normal / Macro, AF Tracking (On / Off), Quick AF (Always On)	Normal / Macro, AF Tracking (On / Off), Quick AF (Always On)	Normal / Macro, Quick AF (Always On)
	AF Mode	Face / AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot	Face / Touch AF Tracking / Multi (11-area) / 1-area HS / 1-area / Spot / Touched area	Face / AF tracking / Multi (11-area) / 1-area / 1-area HS / Spot	Face / AF Tracking / Multi (11-area) / 1-area	Face / AF Tracking / Multi (11-area) / 1-area	Face / Multi (9-area) / 1-area
Recording File Format	Still Image	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), RAW, DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible
	Still Image with Audio	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	JPEG (DCF / Exif2.21) + QuickTime	-	-	-
	Motion Image	AVCHD Lite, QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels) — Still Image	4:3	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	14.5M (4416 x 3312) / 10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	12M (4000 x 3000) / 8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
	3:2	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	13M (4416 x 2944) / 9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	10.5M (4000 x 2672) / 7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)
	16:9	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	11M (4416 x 2480) / 7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	9M (4000 x 2248) / 6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)
File Size (Pixels) — Motion Image	4:3	QVGA (320 x 240) at 30 fps/ VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) / VGA (640 x 480), 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)
	16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480), 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
	HD	1280 x 720 at 50p* (AVCHD Lite, SH: 17 Mbps / H: 13 Mbps / L: 9 Mbps) / 30 fps (Motion JPEG) *CCD output is 25p.	1280 x 720, 30 fps (Motion JPEG)	1280 x 720 at 24 fps (Motion JPEG)	-	-	-
Image Quality		Fine / Standard	Fine / Standard	Fine / Standard / RAW / RAW+JPEG	Fine / Standard	Fine / Standard	Fine / Standard
Rec. Mode	Mode Dial / Mode Button	Intelligent AUTO, Normal Picture, SCN, Beach & Surf, Snow, Sports, Clipboard	Intelligent AUTO, My SCN, SCN, Motion Picture, P, A, S, M	Intelligent AUTO, P, M, Motion Picture, SCN	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture
	iA Direct Button	-	-	-	Yes	Yes	Yes
	Movie Button	Yes	-	-	-	-	-
	Still Image SCN Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Aerial Photo, Pinhole, Film Grain, Underwater	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst (Image Priority / Speed Priority), Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain	Portrait, Soft Skin, Transform, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Fireworks, Starry Sky, Beach, Aerial Photo, Snow, High Sensitivity, Baby1, Baby2, Sunset, Pet, Hi-speed Burst (Image Priority / Speed Priority), Flash-Burst, Film Grain, Pin Hole	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Pinhole, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame
	Movie SCN Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Low Light, Food, Party, Candle Light, Sunset, Beach & Surf, Snow, Aerial, Pinhole, Film Grain, Underwater, High Sensitivity (Activated by selecting Still Image SCN Mode then pressing Movie Button. Still Image SCN Modes without corresponding Movie SCN Mode is recorded in Normal Mode.)	-	-	-	-	-
	Advanced SCN Mode	-	-	-	-	-	-
Continuous Shooting	Full-Resolution Image	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2 fps; Max. 8 (Standard) / 4 (Fine) images	1.8 fps; Max. 5 (Standard) / 3 (Fine) images	1.8 fps; Max. 5 (Standard) / 3 (Fine) images	1.8 fps; Max. 5 (Standard) / 3 (Fine) images
	Hi-Speed Burst Mode (Max.)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 10 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Speed Priority: Approx. 7 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9) Image Priority: Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Unlimited Consecutive Shooting*	Yes	Yes	Yes	Yes	Yes	Yes
Shutter Speed		8 – 1/1300 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure		Program AE	Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE, Simple Manual	Program AE	Program AE	Program AE
Exposure Compensation		1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV	1/3 EV step, -2 ~ +2 EV
Backlight Compensation		Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)
Auto (AE) Bracketing		+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames
Color Bracketing		-	Standard / Black & White / Sepia (3 images)	Standard / Black & White (2 images), Standard / Sepia (2 images), Standard / Black & White / Sepia (3 images)	-	-	-
Light Metering		Intelligent Multiple	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple / Center Weighted / Spot	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple
ISO Sensitivity		Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 ~ 6400)
White Balance		Auto / Daylight / Cloudy / Shade / Halogen / White Set Adjustable in +/-10 steps (except Auto)	Auto / Daylight / Cloudy / Shade / Halogen / White Set / Color Temperature 2-axis adjustable in +/- 9 steps	Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / White Set1 / White Set 2 2-axis adjustable in +/- 9 steps	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set
Face Recognition		Yes	Yes	-	-	-	-
Film Mode		-	-	-	-	-	-
Color Mode / Color Effect		Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Black & White, Sepia, Cool, Warm	Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm
Picture Adjustment		-	Contrast / Sharpness / Saturation / Noise Reduction	Contrast / Sharpness / Saturation / Noise Reduction	-	-	-
Self Timer		2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec
Playback Mode		Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Mode Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Leveling, Protection, Aspect conversion, DPOF print setting, Playback of motion pictures (AVCHD Lite / Motion JPEG)	Normal Playback, Dual-Image Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Easy Organization (Set Favorites / Delete / Edit [Resize / Trimming / Leveling / Title Edit / Text Stamp / Protect], Touch-Zoom Playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Leveling, DPOF print setting, Playback of motion pictures (Motion JPEG)	30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Image leveling	Normal Playback, Dual-Image Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)
LCD Monitor		2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" TFT Touch Screen LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	2.7" TFT LCD (230K dots), Approx. 100% coverage, Wide Viewing Angle	3.0" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage	2.7" TFT LCD (230K dots), Approx. 100% coverage
Viewfinder		-	-	-	-	-	-
Flash	Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off
	Flash Range (ISO Auto)	0.3 – 5.1 m (0.98 – 16.73 ft) [W] / 0.3 – 2.8 m (0.98 – 9.19 ft) [T]	0.6 – 6.0 m (1.97 – 19.69 ft) [W] / 1.0 – 2.8 m (3.28 – 9.19 ft) [T]	0.6 – 5.9 m (1.97 – 19.36 ft) [W] / 0.3 – 2.9 m (0.98 – 9.51 ft) [T]	0.3 – 5.3 m (0.98 – 17.39 ft) [W] / 1.0 – 3.0 m (3.28 – 9.84 ft) [T]	0.3 – 5.3 m (0.98 – 17.39 ft) [W] / 1.0 – 3.0 m (3.28 – 9.84 ft) [T]	0.3 – 6.3 m (0.98 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]
	Digital Red-Eye Correction	Yes	Yes	Yes	Yes	Yes	Yes
Recording Media		Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card
Built-in-Memory		Approx. 40 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB
Microphone / Speaker		Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes
Interface		miniHDMI, USB2.0 High Speed / AV Output (Stereo Type, NTSC/PAL, NTSC only for North America) / DC Input (requires optional Multi-Adapter)	HD Component Output, AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	DC Input, AV Output (NTSC/PAL), HD Component Output, USB2.0 High Speed	AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC/PAL, NTSC only for North America) / USB2.0 High Speed, DC Input (requires optional DC Coupler)
HDMI Output		Video: Auto / 1080i / 720p / 576p Audio: Dolby® Digital Creator	-	-	-	-	-
Direct Print		PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Battery		Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.7 V, Typical: 1150 mAh / Minimum: 1090 mAh), AC Adapter (optional)	Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)
Battery Life (CIPA**)		Approx. 340 images	Approx. 350 images	Approx. 330 images	Approx. 330 images	Approx. 330 images	Approx. 330 images
Included Software		PHOTOfunSTUDIO 3.0 HD Edition, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO-viewer- 2.1 E, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, QuickTime™, USB Driver
Standard Accessories		Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap (with Stopper), CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM, Touch Pen	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM
Dimensions (W x H x D)		Approx. 98.3 x 63.1 x 23.0 mm (3.87 x 2.49 x 0.91 in)	Approx. 94.9 x 57.1 x 21.9 mm (3.74 x 2.25 x 0.86 in)	Approx. 96.7 x 54.0 x 24.8 mm (3.80 x 2.13 x 0.96 in)	Approx. 97.0 x 57.9 x 21.8 mm (3.82 x 2.28 x 0.86 in)	Approx. 97.0 x 54.4 x 21.7 mm (3.82 x 2.14 x 0.85 in)	Approx. 97.0 x 54.4 x 21.7 mm (3.82 x 2.14 x 0.85 in)
Weight (Body Only)		Approx. 162.5g (0.36 lb)	Approx. 145 g (0.32 lb)	Approx. 151 g (0.3329 lb)	Approx. 126 g (0.28 lb)	Approx. 116 g (0.26 lb)	Approx. 117 g (0.257 lb)

Specifications

	DMC-FS7	DMC-FS62	DMC-FS6	DMC-FS42	DMC-FS4	DMC-LS85	DMC-LX3
CCD – Camera Effective Pixels	10.1 megapixels	10.1 megapixels	8.1 megapixels	10.1 megapixels	8.1 megapixels	8.1 megapixels	10.1 megapixels
CCD – Sensor Size / Total Pixels / Filter	1/2.5" / 10.35 total megapixels / Primary Color Filter	1/2.5" / 10.35 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/2.5" / 10.35 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/2.5" / 8.32 total megapixels / Primary Color Filter	1/1.63" / 11.3 total megapixels / Primary Color Filter
Lens – Aperture	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.8 – 5.9 / 2-Step [F2.8 – 8.0 [W] / F5.9 – 16.0 [T]]	F2.0 – 2.4 / Iris Diaphragm [F2.0 – 8.0 [W] / F2.4 – 8.0 [T]]
Lens – Optical Zoom / Focal Length	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	4x / f=5.5 – 22.0 mm (35 mm equiv.: 33 – 132 mm)	2.5x / f=5.1 – 12.8 mm (35 mm equiv.: 24 – 60 mm)
Lens – Extra Optical Zoom (Max.)	7.1x (3M or below)	7.1x (3M or below)	6.4x (3M or below)	7.1x (3M or below)	6.4x (3M or below)	6.4x (3M or below)	4.5x (3M or below)
Lens – Lens System	LEICA DC VARIO-ELMARIT / 6 elements in 5 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT / 6 elements in 5 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT / 6 elements in 5 groups (3 aspherical lenses)	LUMIX DC VARIO / 6 elements in 5 groups (3 aspherical lenses)	LUMIX DC VARIO / 6 elements in 5 groups (3 aspherical lenses)	LUMIX DC VARIO / 6 elements in 5 groups (3 aspherical lenses)	LEICA DC VARIO-SUMMICRON / 8 elements in 6 groups (4 aspherical lenses)
Optical Image Stabilizer	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)	MEGA O.I.S. (Auto / Mode1 / Mode2)
Digital Zoom	4x (Max.28.4x combined with Extra Optical Zoom)	4x (Max.28.4x combined with Extra Optical Zoom)	4x (Max.25.6x combined with Extra Optical Zoom)	4x (Max.28.4x combined with Extra Optical Zoom)	4x (Max.25.5x combined with Extra Optical Zoom)	4x (Max.25.5x combined with Extra Optical Zoom)	4x (Max. 17.9x combined with Extra Optical Zoom)
Focus – Focusing Area	Normal: 50 cm (1.64 ft) [W] – ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ / Macro / Auto Scene : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] – ∞ / Macro / Auto Scene: 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] / 50 cm (1.64 ft) [T] – ∞ / Macro / Intelligent AUTO : 5 cm (0.16 ft) [W] / 50 cm (1.64 ft) [T] – ∞	Normal: 50 cm (1.64 ft) [W] / 50 cm (1.64 ft) [T] – ∞ / Macro / Intelligent AUTO : 1 cm (0.03 ft) [W] / 30 cm (0.98 ft) [T] – ∞
Focus – AF Assist Lamp	Yes	Yes	Yes	Yes	Yes	Yes	-
Focus – Focus	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (Always On)	Normal / Macro, Quick AF (On / Off)f, Continuous AF (On / Off), AF/MF switchable, Manual Focus (Joystick), One Shot AF, AF area select, AF Tracking
Focus – AF Mode	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / Multi (9-area) / 1-area	Face / AF tracking / Multi (11-area) / 1-area / 1-area HS / Spot
Recording File Format – Still Image	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), DPOF compatible	JPEG (DCF / Exif2.21), RAW, DPOF compatible
Recording File Format – Still Image with Audio	-	-	-	-	-	-	JPEG (DCF / Exif2.21) + QuickTime
Recording File Format – Motion Image	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG	QuickTime Motion JPEG
File Size (Pixels) – Still Image 4:3	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536)	8M (3264 x 2448) / 5M (2560 x 1920) / 3M (2048 x 1536)	10M (3648 x 2736) / 7M (3072 x 2304) / 5M (2560 x 1920) / 3M (2048 x 1536) / 2M (1600 x 1200) / 0.3M (640 x 480)
File Size (Pixels) – Still Image 3:2	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	9M (3648 x 2432) / 6M (3072 x 2048) / 4.5M (2560 x 1712) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 2.5M (2048 x 1360)	7M (3264 x 2176) / 2.5M (2048 x 1360)	9.5M (3776 x 2520) / 6.5M (3168 x 2112) / 4.5M (2656 x 1768) / 3M (2112 x 1408) / 2.5M (2048 x 1360)
File Size (Pixels) – Still Image 16:9	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	6M (3264 x 1840) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	7.5M (3648 x 2056) / 5.5M (3072 x 1728) / 3.5M (2560 x 1440) / 2M (1920 x 1080)	6M (3264 x 1840) / 2M (1920 x 1080)	6M (3264 x 1840) / 2M (1920 x 1080)	9M (3968 x 2232) / 6M (3328 x 1872) / 4.5M (2784 x 1568) / 2.5M (2208 x 1248) / 2M (1920 x 1080)
File Size (Pixels) – Motion Image 4:3	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)	QVGA (320 x 240) at 30 fps / VGA (640 x 480) at 30 fps (Motion JPEG)
File Size (Pixels) – Motion Image 16:9	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)	WVGA (848 x 480) at 30 fps (Motion JPEG)
File Size (Pixels) – Motion Image HD	-	-	-	-	-	-	1280 x 720 at 24 fps (Motion JPEG)
Image Quality	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard	Fine / Standard / RAW / RAW+Standard JPEG / RAW+Fine JPEG
Rec. Mode – Mode Dial / Mode Button	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	Intelligent AUTO, Normal Picture, My SCN, SCN, Motion Picture	AUTO Scene, Normal Picture, SCN, Motion Picture	Auto Scene, Normal Picture, SCN, Motion Picture	Intelligent AUTO, Normal Picture, SCN, Motion Picture	Intelligent AUTO, P, A, S, M, Motion Picture, Custom1, Custom2, SCN
Rec. Mode – iA Direct Button	Yes	Yes	Yes	-	-	Yes	-
Rec. Mode – Movie Button	-	-	-	-	-	-	-
Rec. Mode – Still Image SCN Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo, Film Grain, Photo Frame	Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby 1, Baby 2, Pet, Sunset, High Sensitivity, Hi-Speed Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Fireworks, Starry Sky, Beach, Aerial Photo, Snow, High Sensitivity, Baby1, Baby2, Sunset, Pet, Hi-speed Burst, Flash-Burst, Film Grain, Pin Hole
Rec. Mode – Movie SCN Mode	-	-	-	-	-	-	-
Rec. Mode – Advanced SCN Mode	-	-	-	-	-	-	-
Continuous Shooting – Full-Resolution Image	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	2.3 fps; Max. 5 (Standard) / 3 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	3 fps; Max. 7 (Standard) / 4 (Fine) images	2.5 fps; Max. 8 (Standard) / 4 (Fine) images
Continuous Shooting – Hi-Speed Burst Mode (Max.)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 5.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 4.5 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)	Approx. 6 fps (3M for 4:3, 2.5M for 3:2, 2M for 16:9)
Continuous Shooting – Unlimited Consecutive Shooting*	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shutter Speed	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	8 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)	60 – 1/2000 sec (Starry Sky mode : 15, 30, 60 sec)
Exposure	Program AE	Program AE	Program AE	Program AE	Program AE	Program AE	Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV	1/3 EV step, -2 – +2 EV
Backlight Compensation	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Intelligent AUTO mode)	Yes (in Auto Scene mode)	Yes (in Auto Scene mode)	Yes (in Intelligent AUTO mode)	-
Auto (AE) Bracketing	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	+/-1/3 EV – 1 EV step, 3 frames	-	-	-	+/-1/3 EV – 1 EV step, 3 frames
Color Bracketing	-	-	-	-	-	-	-
Light Metering	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1000 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1000 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 (High Sensitivity mode: 1600 – 6400)	Auto / 80 / 100 / 200 / 400 / 800 / 1600 / 3200 (High Sensitivity mode: 1600 – 6400)
White Balance	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / White Set	Auto / Daylight / Cloudy / Shade / Halogen / Color Temperature / Flash / White Set 1 / White Set 2 / 2-axis adjustable in +/- 9 steps
Face Recognition	-	-	-	-	-	-	-
Film Mode	-	-	-	-	-	-	Standard, Dynamic, Natural, Smooth, Vibrant, Nostalgic, WB/Standard, WB/Dynamic, WB/Smooth, My Film1, My Film2, Multi Film
Color Mode / Color Effect	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm	-
Picture Adjustment	-	-	-	-	-	-	Contrast / Sharpness / Saturation / Noise Reduction
Self Timer	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec	2 sec / 10 sec
Playback Mode	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback, Slideshow (duration & effect with music is selectable), Resizing (selectable number of pixels), Trimming, Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	Normal Playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Protection, DPOF print setting, Playback of motion pictures (Motion JPEG)	30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Dual image playback, Enlarge focus area, Image leveling
LCD Monitor	2.7" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	2.5" TFT LCD (230K dots), Approx. 100% coverage	3.0" 3:2 Polycrystalline TFT LCD (460K dots), Approx. 100% coverage, Wide Viewing Angle
Viewfinder	-	-	-	-	-	-	External Viewfinder (optional)
Flash – Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Forced Off	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./ Red-eye Reduction, Forced Off, Flash Synchro: 1st / 2nd; Flash Output Adjustment (1/3 EV step, -2 – +2 EV)
Flash – Flash Range (ISO Auto)	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.3 – 6.3 m (0.98 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.3 – 6.3 m (0.98 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.6 – 6.3 m (1.97 – 20.67 ft) [W] / 0.5 – 3.0 m (1.64 – 9.84 ft) [T]	0.3 – 5.9 m (0.98 – 19.36 ft) [W] / 0.5 – 2.8 m (1.64 – 9.17 ft) [T]	0.8 – 8.3 m (2.63 – 27.23 ft) [W] / 0.3 – 5.9 m (0.98 – 19.36 ft) [T]
Flash – Digital Red-Eye Correction	Yes	-	Yes	-	-	-	-
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (still image only)
Built-in-Memory	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB	Approx. 50 MB
Microphone / Speaker	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes	Mono / Yes
Interface	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC / PAL, NTSC only for North America), USB2.0 Full Speed, DC Input (requires optional DC Coupler)	AV Output (NTSC/PAL), USB2.0 Full Speed	AV Output (NTSC/PAL, NTSC only in North America) / USB2.0 Full Speed	DC Input, AV Output (NTSC/PAL), HD Component Output, USB2.0 High Speed
HDMI Output	-	-	-	-	-	-	-
Direct Print	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Battery	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1,000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	ID-Security Li-ion Battery Pack (3.6 V, Typical: 1000 mAh / Minimum: 940 mAh), AC Adapter (optional)	Alkaline AA Battery x2, AC Adapter (optional)	Li-ion Battery Pack (3.7 V, Typical: 1150 mAh / Minimum: 1090 mAh), AC Adapter (optional)
Battery Life (CIPA)**	Approx. 360 images	Approx. 370 images	Approx. 400 images	Approx. 390 images	Approx. 410 images	Approx. 270 (Alkaline Batteries) / 550 (Ni-MH Batteries) images	Approx. 380 images
Included Software	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™)	PHOTOfunSTUDIO 3.0, QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, QuickTime™, USB Driver	PHOTOfunSTUDIO 3.0, USB Driver	PHOTOfunSTUDIO-viewer- 2.1 E, SILKYPIX® Developer Studio 3.0 SE, ArcSoft® (MediaImpression™ / Panorama Maker™), QuickTime™, USB Driver
Standard Accessories	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, AV Cable, USB Cable, AC Cable, Hand Strap, CD-ROM	Battery Pack (AA Alkaline Batteries x 2), AV Cable, USB Cable, Hand Strap, CD-ROM	Battery Charger, Battery Pack, Battery Case, Lens Cap, Lens Cap Strap, AV Cable, USB Cable, AC Cable, Shoulder Strap, CD-ROM
Dimensions (W x H x D)	Approx. 97.0 x 54.4 x 21.7 mm (3.82 x 2.14 x 0.85 in)	Approx. 97.0 x 54.4 x 21.2 mm (3.82 x 2.14 x 0.84 in)	Approx. 97.0 x 54.4 x 21.2 mm (3.82 x 2.14 x 0.84 in)	Approx. 97.6 x 55.4 x 22.3 mm (3.84 x 2.18 x 0.88 in)	Approx. 97.6 x 55.4 x 22.3 mm (3.84 x 2.18 x 0.88 in)	Approx. 96.7 x 62.0 x 29.8 mm (3.89 x 2.48 x 1.19 in)	Approx. 108.7 x 59.5 x 27.1 mm (4.28 x 2.34 x 1.07 in)
Weight (Body Only)	Approx. 117 g (0.258 lb)	Approx. 115 g (0.25 lb)	Approx. 115 g (0.25 lb)	Approx. 112 g (0.25 lb)	Approx. 112 g (0.25 lb)	Approx. 128 g (0.28 lb)	Approx. 229 g (0.50 lb)

*Number of shots may vary depending on memory card size, battery power, picture size, and compression. The consecutive shooting speed varies depending on the shooting conditions and memory card.

**Based on the CIPA standard. Shooting conditions: 23°C with 50% humidity; LCD on; using SD Memory Card; starting to shoot 30 seconds after turning on the power; shooting once every 30 seconds with the flash in full operation for every other shot; changing the zoom setting from telephoto to wide, or wide to telephoto, for each shot; and temporarily turning the power off after each 10 shots (long enough to lower the battery temperature). The number of recordable pictures decreases in Auto Power LCD mode or Power LCD mode.

: Fine   : Standard

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Tables of recordable still pictures for the following models, organized by Aspect Ratio (4:3, 3:2, 16:9), File Size (Pixels), and memory capacity columns (RAW, RAW+JPEG, Fine, Standard for Built-in Memory / 1GB / 2GB / 4GB / 6GB, continued on second table with 8GB / 12GB / 16GB / 32GB):

- **FZ35** (Built-in Memory Approx. 40MB; 1GB / 2GB / 4GB / 6GB)
- **FZ35** (continued: 8GB / 12GB / 16GB / 32GB)
- **ZR1/FP8/FX65** (Built-in Memory Approx. 40MB; 1GB–32GB)
- **TZ7** (Built-in Memory Approx. 40MB; 1GB–32GB)
- **TZ6** (Built-in Memory Approx. 40MB; 1GB–32GB)
- **FT1** (Built-in Memory Approx. 40MB; 1GB–32GB)
- **FX580** (Built-in Memory Approx. 40MB; 1GB–32GB)

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- **FX180** (Built-in Memory Approx. 50MB; 1GB / 2GB / 4GB / 8GB / 16GB / 32GB)
- **FS25/FS15/FS12** (Built-in Memory Approx. 50MB; 1GB / 2GB / 4GB / 6GB / 8GB / 12GB / 16GB / 32GB)
- **FS6** (Built-in Memory Approx. 50MB; 1GB–32GB)
- **FS7/FS62/FS42** (Built-in Memory Approx. 50MB; 1GB–32GB)
- **FS4/LS85** (Built-in Memory Approx. 50MB; 1GB–32GB)
- **LX3** (Built-in Memory Approx. 50MB; 1GB / 2GB / 4GB / 8GB / 16GB / 32GB)

Clipboard Mode (Recorded on the Built-in Memory)*

AspectRatio	File Size (Pixels)	Number of Recordable Pictures
4:3	2M (1600 x 1200)	81 (ZR1/FX65) / 84 (TZ7/TZ6/FT1)
	1M (1280 x 960)	120 (ZR1/FX65) / 124 (TZ7/TZ6/FT1)

*Not offered on all models; If the built-in memory contains pictures recorded in another recording mode, fewer pictures can be recorded than the figures given above.

•SD speed class is the speed standard regarding continuous writing.

Motion-Image Recording Times (Approx.)

FZ35/TZ7

Aspect Ratio	File Size		Built-in Memory (Approx. 40MB)	1GB	2GB	4GB	6GB	8GB	12GB	16GB	32GB
4:3	QVGA		FZ35: 1 min 19 sec TZ7: 1 min 22 sec	29 min 30 sec	1 h	1 h 58 min	3 h	4 h 1 min	6 h 4 min	8 h 5 min	16 h 14 min
4:3	VGA		-	10 min 40 sec	21 min 40 sec	42 min 40 sec	1 h 5 min	1 h 27 min	2 h 11 min	2 h 55 min	5 h 51 min
16:9	WVGA		-	10 min 10 sec	20 min 50 sec	41 min	1 h 2 min	1 h 23 min	2 h 6 min	2 h 48 min	5 h 38 min
16:9	HD [Motion JPEG]		-	4 min	8 min 20 sec	16 min 20 sec	25 min	33 min 30 sec	50 min 30 sec	1 h 7 min	2 h 15 min
16:9	HD [AVCHD Lite]	SH	-	7 min	15 min	30 min	46 min	1 h	1 h 34 min	2 h	4 h
16:9	HD [AVCHD Lite]	H	-	9 min	20 min	40 min	1 h	1 h 20 min	2 h	2 h 40 min	5 h 20 min
16:9	HD [AVCHD Lite]	L	-	14 min	29 min	1 h	1 h 28 min	1 h 54 min	2 h 54 min	4 h	8 h

Motion pictures and pictures with audio taken with this camera may not always be able to be played back with cameras by other manufacturers. Playback may also not be possible with certain Panasonic digital cameras (LUMIX).
* Cameras launched before December 2008, and some cameras launched in 2009 (FS, LS Series).

FT1

Aspect Ratio	File Size		Built-in Memory (Approx. 40MB)	1GB	2GB	4GB	6GB	8GB	12GB	16GB	32GB
4:3	QVGA		1 min 27 sec	31 min 20 sec	1 h 4 min	2 h 5 min	3 h 11 min	4 h 15 min	6 h 26 min	8 h 35 min	17 h 13 min
4:3	VGA		-	10 min 50 sec	22 min 10 sec	43 min 40 sec	1 h 6 min	1 h 28 min	2 h 14 min	2 h 59 min	5 h 59 min
16:9	WVGA		-	10 min 10 sec	21 min 20 sec	41 min 50 sec	1 h 3 min	1 h 25 min	2 h 8 min	2 h 52 min	5 h 45 min
16:9	HD [Motion JPEG]		-	4 min	8 min 20 sec	16 min 30 sec	25 min 10 sec	33 min 40 sec	50 min 50 sec	1 h 8 min	2 h 16 min
16:9	HD [AVCHD Lite]	SH	-	7 min	15 min	30 min	46 min	1 h	1 h 34 min	2 h	4 h
16:9	HD [AVCHD Lite]	H	-	9 min	20 min	40 min	1 h 20 min	1 h 20 min	2 h	2 h 40 min	5 h 20 min
16:9	HD [AVCHD Lite]	L	-	14 min	29 min	1 h	1 h 28 min	1 h 54 min	2 h 54 min	4 h	8 h

TZ6

Aspect Ratio	File Size	Built-in Memory (Approx. 40MB)	1GB	2GB	4GB	6GB	8GB	12GB	16GB	32GB
4:3	QVGA	1 min 27 sec	31 min 20 sec	1 h 4 min	2 h 5 min	3 h 11 min	4 h 15 min	6 h 26 min	8 h 35 min	17 h 13 min
4:3	VGA	-	10 min 50 sec	22 min 10 sec	43 min 40 sec	1 h 6 min	1 h 28 min	2 h 14 min	2 h 59 min	5 h 59 min
16:9	WVGA	-	10 min 20 sec	21 min 20 sec	41 min 50 sec	57 min	1 h 25 min	2 h 8 min	2 h 52 min	5 h 45 min

ZR1/FP8/FX65

Aspect Ratio	File Size	Built-in Memory (Approx. 40MB)	1GB	2GB	4GB	6GB	8GB	12GB	16GB	32GB
4:3	QVGA	1 min 24 sec	31 min 20 sec	1 h 4 min	2 h 5 min	3 h 11 min	4 h 15 min	6 h 26 min	8 h 35 min	17 h 13 min
4:3	VGA	-	10 min 50 sec	22 min 10 sec	43 min 40 sec	1 h 6 min	1 h 28 min	2 h 14 min	2 h 59 min	5 h 59 min
16:9	WVGA	-	10 min 20 sec	21 min 20 sec	41 min 50 sec	1 h 3 min	1 h 25 min	2 h 8 min	2 h 52 min	5 h 45 min
16:9	HD [Motion JPEG]	-	4 min	8 min 20 sec	16 min 30 sec	25 min 10 sec	33 min 40 sec	50 min 50 sec	1 h 8 min	2 h 16 min

FX580/FS25/FS15/FS12/FS7/FS62/FS6/FS42/FS4/LS85

Aspect Ratio	File Size	Built-in Memory (Approx. 40MB) FX580	Built-in Memory (Approx. 50MB) FS and LS Series	1GB	2GB	4GB	6GB	8GB	12GB	16GB	32GB
4:3	QVGA	1 min 27 sec	1 min 37 sec	31 min 20 sec	1 h 4 min	2 h 5 min	3 h 11 min	4 h 15 min	6 h 26 min	8 h 35 min	17 h 13 min
4:3	VGA	-	-	10 min 50 sec	22 min 10 sec	43 min 40 sec	1 h 6 min	1 h 28 min	2 h 14 min	2 h 59 min	5 h 59 min
16:9	WVGA	-	-	10 min 20 sec	21 min 20 sec	41 min 50 sec	57 min	1 h 25 min	1 h 55 min	2 h 52 min	5 h 45 min
16:9	HD [Motion JPEG]*	-	-	4 min	8 min 20 sec	16 min 30 sec	25 min 10 sec	33 min 40 sec	50 min 50 sec	1 h 8 min	2 h 16 min

*FX580 only.

LX3/FX180

Aspect Ratio	File Size		Built-in Memory (Approx. 50MB)	1GB	2GB	4GB	8GB	16GB	32GB
4:3	QVGA	L	4 min 20 sec	1 h 24 min	2 h 51 min	5 h 36 min	11 h 23 min	22 h 55 min	46 h
4:3	QVGA	H	1 min 38 sec	31 min 20 sec	1 h 4 min	2 h 5 min	4 h 15 min	8 h 35 min	17 h 13 min
4:3	VGA		-	10 min 50 sec	22 min 10 sec	43 min 40 sec	1 h 28 min	2 h 59 min	5 h 59 min
16:9	WVGA		-	9 min 20 sec	19 min	37 min 30 sec	1 h 16 min	2 h 33 min	5 h 8 min
16:9	HD [Motion JPEG]		-	5 min	10 min 30 sec	20 min 40 sec	42 min 00 sec	1 h 24 min 50 sec	2 h 50 min 10 sec

Battery Life in Recording HD Motion Pictures (Approx.)

Model	Format	Mode	Continuous Recording Time	Actual Recording Time
FZ35	AVCHD Lite	SH	2 h 30 min	1 h 20 min
FZ35	Motion JPEG	HD	2 h 30 min	1 h 20 min
TZ7	AVCHD Lite	SH	1 h 30 min	40 min
TZ7	Motion JPEG	HD	1 h 30 min	40 min
FT1	AVCHD Lite	SH	1 h 40 min	1 h
FT1	Motion JPEG	HD	1 h 40 min	1 h

•When you set the picture quality to HD, WVGA or VGA, we recommend using a high-speed card with ¨10MB/s¨ or greater displayed on the package. •SD speed class is the speed standard regarding continuous writing. •Motion pictures can be recorded continuously for up to 15 minutes in some countries. •Continuous recording exceeding 2GB is not possible when recording Motion JPEG. Remaining time for continuous recording is displayed on the screen. •These are standard times taken at a temperature of 23ºC (73.4ºF) and a humidity of 50%. •The time available for recording varies depending on the environment, the interval between recordings, and the manner of use. •Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON]/[OFF], starting/stopping recording, zoom operation etc.

Minimum Illumination

FZ35 (Aperture : F2.8)	6 lux (Low light mode) / 4 lux (Creative Movie mode, ISO 6400) / 1.2 lux (Creative Movie mode in MF and Manual Exposur, ISO 6400, 1/8 sec)
TZ7 / FT1 (Aperture : F3.3)	7 lux (Low light mode)

Included Software

PHOTOfunSTUDIO 3.0 / 4.0

This PC software lets you edit or organize a collection of photos with more ease and fun. It features a Face Recognition function that recognizes the faces in the pictures stored in your PC to sort them by faces for you regardless of the camera type you used. Through the sophisticated interface, you can also enjoy emotion-packed slideshows with a variety of effects and music. Motion images can also be uploaded directly to YouTube ™. Furthermore, with the PHOTOfunSTUDIO 3.0 HD Edition (included in the TZ7/FT1) or 4.0 HD Edition (included in the FZ35), AVCHD Lite movies can be transferred to a PC from an SDHC/SD Memory Card or via the USB cable to view or even edit them. You can also make a DVD disc from the AVCHD Lite files by converting them to MPEG-2.
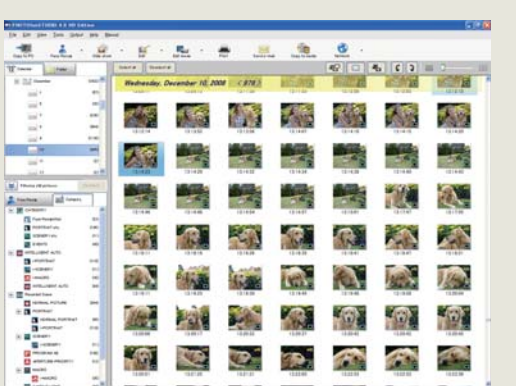
Options that give you more comfort. More creativity. More fun.

Wide Conversion Lens
DMW-LW46 (0.75x) (for LX3*)

Tele Conversion Lens
DMW-LT55 (1.7x) (for FZ35*)

Close-Up Lens
DMW-LC55 (Focal length: 500mm) (for FZ35*)
The zoom range is restricted to a magnification of 3x to 18x.

Lens Adapter
DMW-LA3 (for FZ35)
DMW-LA4 (for LX3)

External Flash
DMW-FL220 (GN22) (for LX3)   DMW-FL360 (GN36) (for LX3)   DMW-FL500 (GN50) (for LX3)

*Use of the lens adapter is required.

ND Filter
DMW-LND46 (for FZ35/LX3*)

PL Filter
DMW-LPL46 (for FZ35/LX3*)

MC Protector
DMW-LMC46 (for FZ35/LX3*)

External Optical Viewfinder
DMW-VF1 (for LX3)

Marine Case (to a depth of 40 m/131 ft)
DMW-MCTZ7 (for TZ series)
DMW-MCFT1 (for FT1)
DMW-MCZX1 (for ZR1)

*Use of the lens adapter is required.

*Usable external strobe produced by INON. For more details, see http://www.inon.co.jp/INON_TOP_e.shtml

SD Memory Card

Pro High Speed
32 GB*: RP-SDV32G
16 GB*: RP-SDV16G
8 GB*: RP-SDV08G
4 GB*: RP-SDV04G
2 GB*: RP-SDV02G

High Speed
12 GB*: RP-SDM12G
6 GB*: RP-SDM06G
4 GB*: RP-SDM04G
2 GB*: RP-SDM02G
1 GB*: RP-SDR01G

*1 GB = 1 billion bytes. Usable capacity will be less.

AC Adapter
DMW-AC5 (for FP8/TZ series/FT1/LX3/FX series/FS series)
DMW-AC6 (for LS85)
DMW-AC7 (for FZ35)

Multi Conversion Adaptor
DMW-MCA1 (for TZ series/FT1)

*Use of the AC adaptor (DMW-AC5) is required.

HDMI Mini Cable
RP-CDHM15 (1.5 m) (for FZ35/TZ7/FT1)
RP-CDHM30 (3.0 m) (for FZ35/TZ7/FT1)

HD Component Cable
DMW-HDC2 (for ZR1/FP8/FX series/LX3)

AV Cable
DMW-AVC1 (for LS85)

DC Coupler
DMW-DCC2 (for LS85)
DMW-DCC4 (for FX65/FX580/FS series)

*Use of the AC Adapter is required, DMW-AC6 for DMW-DCC2 and DMW-AC5 for DMW-DCC4.

Battery Pack
CGA-S005 (for LX3/FX180)
CGR-S006 (for FZ35)
DMW-BCG10 (for ZR1/TZ series)
DMW-BCF10 (for FX65/FP8/FX580/FT1/FS series)

Carrying Case
DMW-CLX3 (for LX3)   DMW-CZ18 (for FZ35/LX3)

•Some accessories are not available in some countries.

Living in High Definition with LUMIX

LUMIX lets you easily record and view both stills and movies in high definition.


HD PHOTO
All LUMIX models record wide-screen, 16:9, full-HD (1920 x 1080-pixel) images. These images are simply breathtaking when displayed on an HDTV, which handles about four times the data of a standard-definition TV. With LUMIX, you can enjoy a whole new style of HDTV viewing with family and friends.

HD MOVIE
In addition to capturing beautiful photos, LUMIX lets you shoot high-quality HD movies in the progressive format, which minimizes flicker. You get 1280 x 720-pixel motion images that look spectacular on a large-screen HDTV. If your LUMIX model uses the AVCHD Lite (MPEG-4/H.264), you can record longer motion image clips without running out of memory because AVCHD Lite stores less data than the standard Motion JPEG.

Standard Definition

HD (High Definition)
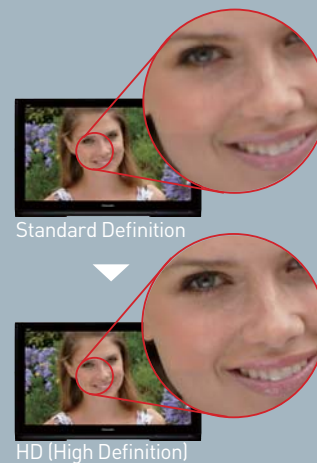
Connect Directly to an HDTV	Easy HD Image Viewing with the SD Card Slot
HDMI Mini Cable	**High-Definition Plasma TV**
When a LUMIX camera with an HDMI output terminal is connected via an HDMI mini cable (purchased separately) to a VIERA Link-equipped TV and the VIERA Link function is turned on from the camera menu, you can use the TV's remote control to run the slideshow.	It's easy to view photos or AVCHD Lite movies shot with your LUMIX camera. Just take the SD memory card from the camera and put it in the VIERA Image Viewer, and use the TV's remote control.*To play movies recorded in the Motion JPEG format, you need the included AV cable or a video cable.
*HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.	
HD Component Cable DMW-HDC2	**Blu-ray Disc™ Player**
	Using the Slideshow playback feature, you can play a music CD at the same time you're showing the HD photos and movies, so you get both beautiful images and your favorite music.

*AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard.

EVERLASTING MEMORIES

Ourplace
THE WORLD'S HERITAGE

OUR PLACE - The World Heritage
is a worldwide photographic project proudly supported by Panasonic.
The project aims to present the 851 sites designated as having "outstanding universal significance"
by the UNESCO World Heritage Committee to a wide global audience.
There are special places that humankind must preserve for the enjoyment of future generations.
Around the world professional photographers are already at work capturing images
of these beautiful and dramatic locations exclusively with LUMIX digital cameras.
With its ability to reproduce detailed images with true to life colours and no quality degradation,
Digital photography, with is ideal for preserving these important places and memories.
Panasonic, by supporting the UNESCO Partnered OUR PLACE project
is committed to preserving the World's Heritage and
to helping create a new photographic culture.

http://ourplaceworldheritage.com

IN PARTNERSHIP WITH THE UNESCO WORLD HERITAGE CENTRE

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Panasonic is backing OUR PLACE - The World's Heritage, a project that will create the largest ever photographic collection of UNESCO World Heritage Sites.