Panasonic
ideas for life

2007
DIGITAL CAMERAS

Panasonic

www.panasonic-europe.com
http://panasonic.net/lumix

LUMIX

AUTO BLUR-STOPPER

02

03

Intell igent Image Stabilizer

Eliminates Blurring Caused by Subject Motion

INTELLIGENT ISO CONTROL

Detects Movement, Prevents Blurring

With most cameras, if a subject moves while you're shooting, you're liable to end up with a blurry photo. Not with LUMIX. All new LUMIX models feature Intelligent ISO Control*, which utilizes subject-motion detection circuitry inside the Venus Engine III image processor to automatically adjust the ISO setting to a preset 400, 800, or 1250 maximum**. The higher ISO level lets the camera shoot at a higher shutter speed, preventing motion blur. If the subject is not moving, the ISO setting remains as-is and you capture a beautiful, natural-looking image with minimal noise.

* This function is selected from the mode dial in all models except the FX07, FX50, LX2 and FZ50, where it is selected from the setting menu.

** The maximum ISO setting is 800 in the FX07, FX50, LX2, and FZ50.

The ISO sensitivity and shutter speed are automatically optimized according to the subject's movement.

Moving Subjects

Normal ISO Auto
(shutter speed: 1/15 sec, ISO: 100)

Intelligent ISO Control
(shutter speed: 1/60 sec, ISO: 400)

When subject movement is detected, the ISO sensitivity is raised to prevent motion blur.

Still Subjects

Intelligent ISO Control
(shutter speed: 1/15 sec, ISO: 100)

If the subject is not moving, the ISO sensitivity is lowered to capture beautiful, natural-looking images.

Taking Hand-Shake Out of the Picture

MEGA O.I.S.
(Optical Image Stabilizer)

Helps Keep Your Shots Steady, Even If You're Not

Jitter from shaky hands is far and away the biggest single cause of blurry shots. LUMIX cameras help solve this problem with an advanced optical image stabilizing system that we call MEGA O.I.S. This system uses built-in gyrosensors to detect even tiny camera movement and then shifts a lens in the opposite direction to compensate. The system is completely optical - it does not affect the CCD or image processing - so you get sharp, clear images without deterioration. It lets you shoot at shutter speeds up to three steps* slower than what you could use without it. It helps achieve high-quality images in a wide range of shooting conditions such as telephoto, macro or low illumination. *Varies with the shooting conditions.
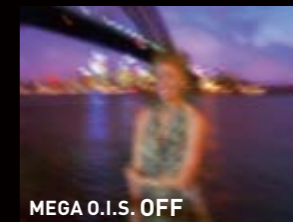
Two Image Stabilizing Modes

LUMIX cameras offer two image stabilization modes. In Mode 1, image is corrected continually, so you can see the image clearly on the LCD monitor. Mode 2 corrects the image the moment you press the shutter button, providing maximum compensation in all directions.

Mode 1

Mode 2

MEGA O.I.S. OFF
MEGA O.I.S. ON
Zoom Shots

MEGA O.I.S. OFF
MEGA O.I.S. ON
Dimly Lit Shots

MEGA O.I.S. OFF
MEGA O.I.S. ON
Macro Shots
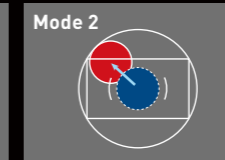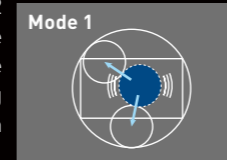
Lightning Speed, Superb Performance

VENUS ENGINE III

Superior Noise Reduction without Losing Image Details

A newly designed noise reduction system detects chromatic noise and luminance noise separately. This lets you capture crisp, high-resolution images with no graininess even when shooting at a high ISO setting.
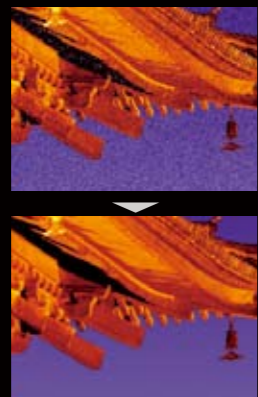
Enhanced Resolution for More Beautiful Images

In the previous Venus Engine image-processing LSI, we improved diagonal resolution by 50% over earlier models by extracting luminance signals from all of the pixels — red, green and blue, and now vertical resolution has been increased by about 10%. Images are rendered in fine detail and without visible color bleeding.

Venus Engine III

Previous type

Adding to the Beauty with Digital Processing

The digital correction capability corrects chromatic aberration in telephoto shots and vignetting, which are inherent in every optical lens. This combines with the high optical precision of the Leica DC Lens to achieve even higher image quality.

Super-Fast Shutteer Response

Refinements have led to a super-fast response, with a release time lag as low as 0.005 seconds* and consecutive shooting at up to 3 frames per second**. The Unlimited Consecutive Shooting*** function lets you keep shooting until the SD Memory Card is full.

*Not including auto-focusing time. **Not on some models. ***The consecutive shooting speed varies depending on the model, shooting conditions and memory card.

Less Energy Consumption for More Shooting Fun

Even with advanced functions like MEGA O.I.S. and a large, high-quality LCD monitor, the Venus Engine III uses around 80% less energy than the Venus Engine II. This, plus the use of a longer-lasting battery, greatly increases the number of shots you can take on a single battery charge.

A 28mm Wide-Angle Lens Ex pands Your Shooting Fun
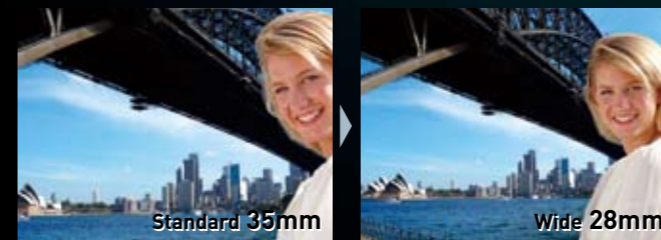
FX30 Normal Picture Mode (shutter speed: 2.0 sec, aperture: F2.8, ISO: 100)

LUMIX 28mm Wide-Angle Lens Models

FX50 FX30 FX07 LX2 TZ3 TZ2

Standard 35mm | Wide 28mm
Capture wide landscapes and your friend in the picture

Standard 35mm | Wide 28mm
Group shots that get everyone in the picture
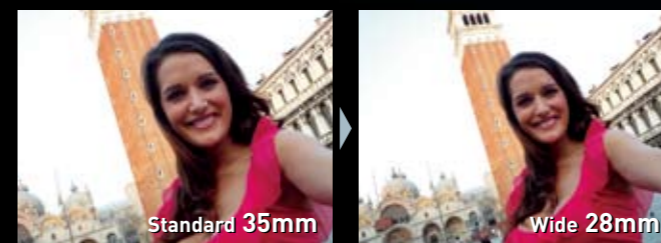
Standard 35mm | Wide 28mm
Self-portraits with plenty of background scenery
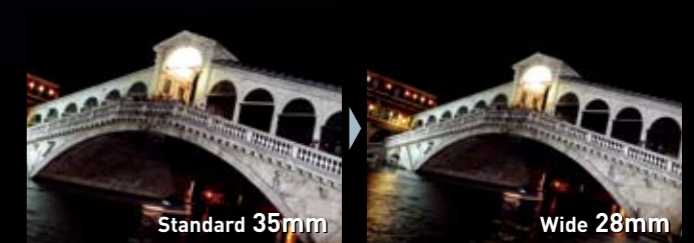
Standard 35mm | Wide 28mm
Great wide shots of vast landscapes

*35mm-lens equivalent

New Technology Creates a Compact 28mm Wide-Angle Lens with Superb Image Rendering.

A Wide-Angle Lens Makes a Big Difference.

The beauty of a 28mm 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.

----- 28mm ----- 35mm
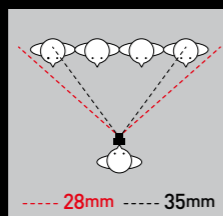
Advanced Technology Creates the World's Slimmest* 28mm Wide-Angle Lens Camera.

Panasonic is the world's first manufacturer to successfully mass-produce an EA (extra-high refractive index aspherical) lens. We draw on this technology to create the world's slimmest digital still camera with a 28mm wide-angle lens. *As for a digital still camera with optical zoom lens compatible with 28mm wide angle as of 31st January, 2007.

EA Lens O.I.S. Lens

Aspherical Lenses
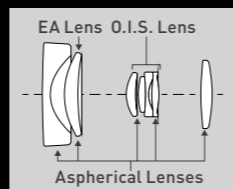
The FX30's lens structure

Clear Image Rendering with Minimal Distortion
LEICA DC LENS

LEICA DC LENS

The high-quality Leica DC lens carries on the proud tradition of its namesake, the German camera maker renowned for lenses that combine superb performance with compact size. LUMIX cameras feature LEICA DC VARIO-ELMARIT and LEICA DC VARIO-ELMAR lens. These lenses systems include several aspherical lenses to compensate for spherical aberration. In addition, an advanced multi-coating process is applied to the lens surfaces to help prevent fogging caused by flare and ghosts that can occur at excessively high light levels.

*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.

Ultra-Compact 28mm Wide-Angle Lens with 10x Optical Zoom for Traveling

Without Intelligent Image Stabilizer

10x
280mm*
With Intelligent Image Stabilizer

Standard 35mm*
Wide 28mm*

*35mm-lens equivalent

3.0 inch

NEW
TZ3

Color: -S (Silver), -K (Black), -A (Blue)

LEICA DC LENS

| 10x Optical Zoom | 7.2 Megapixels | 3.0" LCD | ISO 1250 | 0.006 sec Shutter-Release | 12.7MB Built-in Memory |

Full Resolution

NEW
TZ2

Color: -S (Silver), -K (Black)

LEICA DC LENS

| 10x Optical Zoom | 6.0 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 12.7MB Built-in Memory |

Full Resolution

Basic Functions

| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | ASPECT SELECT | HIGH ANGLE | POWER LCD | ∞ | WIDE VGA | 9 CUTOUT | SCN HELP | EASY GUI | QUICK SETTING | WB ADJUST | TRAVEL HISTO GRAM | GUIDE LINES | AUTO BRACKETING | WORLD TIME | TRAVEL DATE | DATE STAMP |

*TZ3 only

Shooting Mode (Mode Dial)

SCN (Scene Mode)

Accessories (Available as optional accessories)
MARINE CASE

Featuring an Elegant, Stainless-Steel Body, the Camera Lets You Shoot Sharp, Blur-Free Pictures

Compact LEICA DC VARIO-ELMAR 28mm Wide-Angle Lens with 10x Optical Zoom

Now you can fit sweeping landscapes into a single frame with the 28mm wide-angle setting, and pull in subjects from far away to capture even subtle facial expressions with the dynamic 280mm telephoto setting. Ideal for traveling, this camera combines this wide ranging lens with a handy, compact body. The Extra Optical Zoom function also extends the zoom to as much as 15x on the TZ3 and 13.8x on the TZ2, giving you even greater telephoto power*.
*In 3-megapixel resolution mode.

| 1x | 10x | 15x |
| 28mm | 280mm | 420mm* (Extra Optical Zoom) |

*For the TZ3.

Intelligent ISO Control Prevents Motion Blur

The TZ3 and TZ2 feature Intelligent ISO Control, which prevents motion blur by detecting subject movement and raising the ISO setting and shutter speed accordingly.

Normal ISO Auto   Intelligent ISO

MEGA O.I.S. Prevents Hand-Shake While Traveling

Hand-shake is a problem with most small cameras – but not with the TZ3 and TZ2. MEGA O.I.S. makes it easy to take clear, sharp shots at times when hand-shake is normally a problem, such as when you're on the move, in a car, or anytime you can't use a tripod. You can capture all the sights of your trip in beautiful, blur-free photos that make great memories.

Large, Easy-to-See LCD* with advanced features

The TZ3 boasts a large 3.0", 230,000-pixel LCD with advanced features. For example, Dual Image Playback lets you compare two photos. *The TZ2 has a 2.5-inch, 207,000-pixel LCD and does not offer Dual Image Playback.

28mm Wide-Angle with Multiple Aspect Ratios

Conventional cameras generally use almost the entire CCD area when recording an image, and the angle of view may be altered by changing aspect ratio. The CCD of the TZ3 and TZ2 provides a larger recording area, making it possible to capture images from 28mm to 280mm with any of three aspect ratios – 4:3, 3:2 or 16:9.

4:3
3:2
16:9

Conventional   Multiple Aspect
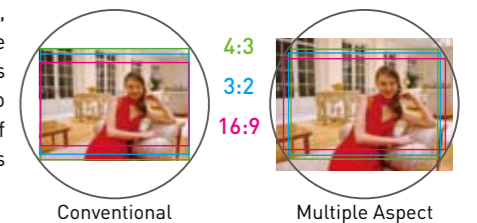
Special Travel Functions

Clipboard for Storing Information
This function lets you record and store photos showing flight times, train schedules, maps and other vital info.

Travel Date Stamp
Input your departure date. Later, during photo viewing, the camera will indicate on which day of the trip each shot was taken.

•Up to 7 consecutive shots at 3 frames per second (TZ3 only)
•Optional marine case for underwater photography (to a depth of 40 m)

DMW-MCTZ3

(Standard Accessories)
•Battery Charger •Battery Pack •Battery Carrying Case
•AV Cable •AC Cable •USB Cable •Strap •CD-ROM

SDHC   PictBridge

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  The 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.

12x Optical Zoom with Easy Manual Operation
Broadens the Fun of Photography

1x

12x
With Intelligent Image Stabilizer

Without Intelligent Image Stabilizer

NEW

FZ8

Color: -S (Silver), -K (Black)

12x Optical Zoom | 7.2 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory | MEGA O.I.S | INTELLIGENT ISO | Engine III | LEICA DC LENS

Full Resolution

Basic Functions

EX ZOOM | VARIOUS AF | AF ASSIST LAMP | MF ASSIST | ASPECT SELECT | HIGH ANGLE | POWER LCD | EVF (188,000) | ∞ | WIDE VGA | 9 CUTOUT | SCN HELP | EASY GUI | QUICK SETTING | WB ADJUST | REAL-TIME HISTO GRAM | GUIDE LINES | AUTO BRACKETED | WORLD TIME | TRAVEL DATE | DATE STAMP | RAW

Accessories (Available as optional accessories)

TELE (1.7x) | WIDE (0.7x) | CLOSE UP | MC | ND

Shooting Mode (Mode Dial)

P A S M ▶

SCN (Scene Mode)

SCN

Big Pictures of a Big Smile on a Little Face – Without Any Blurring

Compact LEICA DC VARIO-ELMARIT Lens with 12x Optical Zoom

A 12x optical zoom camera that fits in the palm of your hand – that's the FZ8. The FZ8 makes telephoto shooting easy with features like variable zoom speed (2 levels) for detailed framing, and a function that returns the zoom to its last set position next time you turn the camera on. For times when you want even more zoom power, the Extra Optical Zoom feature extends zooming to as much as 18x in 3-megapixel resolution mode.

1x   12x   18x (Extra Optical Zoom)

Intelligent ISO Control – No More Motion Blur

Featured in the FZ8, Intelligent ISO Control automatically raises the ISO and shutter speed settings if the subject is moving, so you get clear, crisp shots with no motion blur. It also lets you manually set the sensitivity to as high as ISO 1250 at full resolution.

Bright, High-resolution LCD and EVF

In addition to the 207,000-pixel 2.5-inch LCD, the FZ8 features a 188,000-pixel 0.44-inch electronic viewfinder, which is larger than that of the previous model. Using either the LCD or EVF, you can manually adjust the focus or check the details in your shot more comfortably.

Manual Control with Joystick Ease

Controlling the joystick with your thumb, you can adjust the exposure and focus manually without removing your hand from the grip.

Movable MF Area
When using manual focus, you can enlarge a part of the image to assist in focusing. You can also use the joystick to move the enlarged display area anywhere you wish in the frame.

Selectable AF Points
In 1-point AF (normal/high-speed) or Spot AF mode, the auto-focusing area can be chosen from as many as 11 points with the joystick or cursor button according to your intended composition. Various group area patterns can also be selected in Multi-point AF mode.

- •Quick settings using joystick
- •Up to 7 consecutive shots at 3 frames per second
- •RAW file compatible
  (editable with the included software "SILKYPIX Developer Studio 2.0 SE")
- •Two axis white balance adjustment setting
  (blue - amber, and magenta - green)
- •Self-timer function waits 10 seconds, then snaps 3 consecutive shots

Options that Add to the Fun of Photography

Tele Conversion Lens
DMW-LT55* (1.7x)

Wide Conversion Lens
DMW-LW55* (0.7x)

Close-Up Lens
DMW-LC55*

Lens Adaptor
DMW-LA2

Battery Pack
CGR-S006

MC Protector
DMW-LM55*
DMW-LM52

ND Filter
DMW-ND52
DMW-ND55*

*Requires DMW-LA2 Lens Adaptor

(Standard Accessories)
•Battery Charger •Battery Pack •Lens Cap •Lens Hood •Lens Hood Adaptor •AV Cable •AC Cable •USB Cable •Strap •CD-ROM

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  The 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.

Full-Manual 12x Optical Zoom Camera
for More Creative Freedom

12x
With Intelligent Image Stabilizer

Without Intelligent Image Stabilizer

FZ50

Color: -S (Silver), -K (Black)

12x Optical Zoom | 10.1 Megapixels | Free-Angle 2.0" LCD | 0.009 sec Shutter-Release | ISO 1600 Full Resolution | MEGA O.I.S | INTELLIGENT ISO | Venus Engine III | LEICA DC LENS

Basic Functions

| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | MF ASSIST | ASPECT SELECT | POWER LCD | EVF (188,000) | ∞ | WIDE VGA | SCN HELP | QUICK SETTING | WB ADJUST | REAL TIME HISTO GRAM | GUIDE LINES | AUTO MARKER | WORLD TIME | TRAVEL DATE | RAW |

Accessories (Available as optional accessories)

| TELE (1.7x) | WIDE (0.7x) | CLOSE UP | MC | ND | EXTERNAL TTL FLASH | REMOTE SHUTTER |

Shooting Mode (Mode Dial)

SCN (Scene Mode)

## Manual Control Lets You Capture Unique, Expressive Images with No Blurring

LEICA DC VARIO-ELMARIT Lens with ED Lens and Super-Powerful 12x Optical Zoom

The FZ50's LEICA DC VARIO-ELMARIT lens features 14 elements in 10 groups, including 3 aspherical lenses and an ED (extra-low dispersion) lens which helps suppress the color bleeding that can occur in telephoto shots, plus a 12x optical zoom (35mm equivalent: 35 to 420mm). The FZ50 also features Extra Optical Zoom, which gives you up to 21.4x power in 3-megapixel resolution mode.

1x   12x
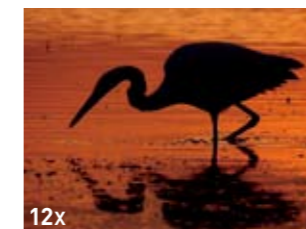
Intuitive Control with Manual Focus and Zoom Rings

Two rings on the FZ50 lens barrel give you complete manual control of zooming and focusing. You'll enjoy not only the precise control these rings give you, but also the satisfying feel that only manual operation offers.
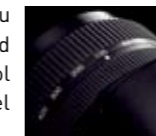
Two Command Dials for Quick Settings

Two dials on the camera top make it easy to adjust the exposure setting while holding the camera to your eye. In Manual mode, one dial adjusts the aperture, the other adjusts the shutter speed. In Aperture Priority and Shutter Priority modes, one sets the aperture or shutter speed, the other sets the exposure compensation (-2 to +2 in 1/3 EV steps).
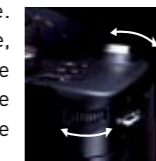
Free-Angle 2.0" LCD with Wider Adjustment Range

Change the angle of the LCD monitor any way you like. You can get a comfortable look at the 2.0", 207,000-pixel monitor even when shooting over a crowd or taking a low-angle shot of a flower. We've also increased the vertical adjustment range to 180 degrees for easier shooting in portrait orientation.

180°
270°
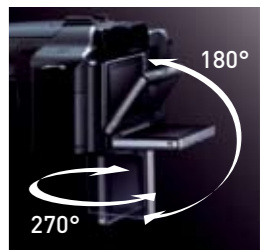
Low-Noise, High-Sensitivity ISO 1600 Shooting Minimizes Motion Blur

In addition to Intelligent ISO Control which automatically forestalls motion blur, the FZ50 shoots at sensitivity levels up to ISO 1600 and still captures low-noise shots at full resolution. This means you can shoot at higher shutter speeds to minimize motion blur and get beautiful indoor shots without a flash.

Previous model   FZ50
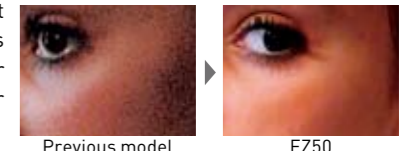
- •**Accepts external TTL flash**
- •**Two axis white balance adjustment setting**
  (blue - amber, and magenta - green)
- •**RAW file compatible**
  (editable with the included software "SILKYPIX Developer Studio 2.0 SE")

(Standard Accessories)
•Battery Charger •Battery Pack •SD Memory Card (32MB*) •Lens Cap •Lens Hood •AV Cable •AC Cable •USB Cable •Strap •CD-ROM
*1MB = 1 million bytes. Usable capacity will be less.

SDHC   PictBridge

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  The 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.

Stylish, Ultra-Slim

28mm Wide-Angle Lens Camera

FX30

Color: -S (Silver), -K (Black), -A (Blue), -T (Brown)

3.6x Optical Zoom	7.2 Megapixels	2.5" LCD	ISO 1250	0.005 sec Shutter-Release	27MB Built-in Memory

Full Resolution

LEICA DC LENS

Basic Functions

| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | ASPECT SELECT | HIGH ANGLE | POWER LCD | | WIDE VGA | 9 CUTOUT | SCN HELP | EASY GUI | QUICK SETTING | WB ADJUST | TRIAL HISTO GRAM | GUIDE LINES | AUTO BRACKETING | WORLD TIME | TRAVEL DATE | DATE STAMP |

Accessories (Available as optional accessories)

MARINE CASE

Shooting Mode (Mode Dial)   **SCN (Scene Mode)**

Slimmer Size, Wider Angle, More Anti-Blur Power

Standard 35mm*

Wide 28mm*

With Intelligent Image Stabilizer   *35mm-lens equivalent

Without Intelligent Image Stabilizer

LEICA DC VARIO-ELMARIT —
World's Slimmest* 28mm Wide-Angle Lens

Featuring five aspherical lenses with six aspherical surfaces including an extra-high refractive index aspherical lens, this lens system made it possible to create a 28mm wide-angle lens with 3.6x optical zoom that's compact enough to fit in a camera with a super-slim 22mm profile. And we added the Extra Optical Zoom feature, which boosts zoom power to as high as 5.3x**. *As for a digital still camera with optical zoom lens compatible with 28mm wide angle as of 31st January, 2007. **In 3-megapixel resolution mode.

FX30
Previous model

Intelligent ISO Control Prevents Motion Blur

Thanks to the advanced Intelligent ISO Control, the FX30 can capture clear, crisp shots even when your subject moves as you shoot. Intelligent ISO Control detects when the subject is moving and automatically raises the ISO and shutter speed settings accordingly. This suppresses motion blur, making it easy to get a beautiful shot.
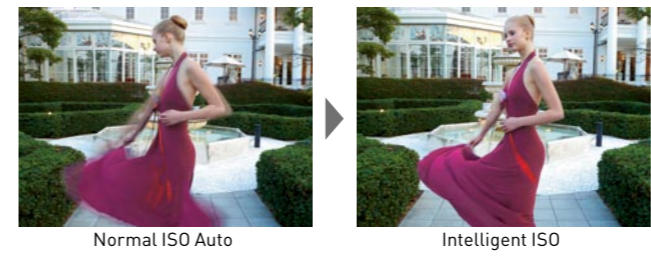
Normal ISO Auto   Intelligent ISO

MEGA O.I.S. Prevents Blurring from Hand-Shake

It's hard to hold a small camera steady. That's why the FX30 features MEGA O.I.S., which automatically detects and compensates for hand-shake. You get clear, beautiful shots even when shooting in dim lighting, shooting macro close-ups or taking self-portraits.

Quick Settings without Taking
Your Eyes Off the Subjects

Press the FUNCTION button, and you can easily change settings such as auto focus, light metering, white balance, ISO sensitivity, image size, image quality, and so on. There's no need to switch to the menu screen.
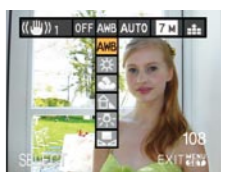
•Select any of 20 scene modes according to the situation
•Up to 7 consecutive shots at 3 frames per second
•Optional marine case for underwater photography
 (to a depth of 40 m)

DMW-MCFX30

(Standard Accessories)
•Battery Charger •Battery Pack •Battery Carrying Case
•AV Cable •AC Cable •USB Cable •Strap •CD-ROM

PictBridge

Sleek, Stylish 28mm Wide-Angle Lens Camera

FX07

Color: -S (Silver), -K (Black),
       -A (Blue), -R (Red)

3.6x Optical Zoom	7.2 Megapixels	2.5" LCD	ISO 1250	0.005 sec Shutter-Release

Full Resolution

LEICA DC LENS

* Leica is a registered trademark of Leica Microsystems IR GmbH.
  The 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.

Broaden Your Outlook and Get the Big Picture:
28mm Wide-Angle Lens and 3.0" LCD

3.0inch

35mm

28mm

Standard **35mm***

Wide **28mm***

With Intelligent Image Stabilizer

*35mm-lens equivalent

Without Intelligent Image Stabilizer

FX50

Color: -S (Silver), -K (Black)

3.6x Optical Zoom	7.2 Megapixels	3.0" LCD	0.005 sec Shutter-Release	ISO 1250

Full Resolution

LEICA DC LENS

Basic Functions

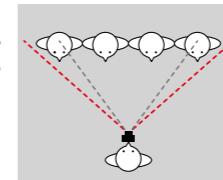| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | ASPECT SELECT | HIGH ANGLE | POWER LCD | | WIDE VGA | 9 CUTOUT | SCN HELP | WB ADJUST | REAL HISTO GRAM | GUIDE LINES | AUTO BRACKETING | WORLD TIME | TRAVEL DATE |

Shooting Mode (Mode Dial)   **SCN (Scene Mode)**

Full Anti-Blur Features Plus Wide-Angle Shooting and a Big LCD Screen

28mm Wide-Angle LEICA DC VARIO-ELMARIT Lens

With its EA (extra-high refractive index aspherical) lens, the FX50 offers wide-angle shooting and a 3.6x optical zoom (35mm equivalent: 28 to 102mm). The wide angle conveys width and depth when shooting landscapes, and it's ideal for shooting group portraits in a small room. The FX50 also has the Extra Optical Zoom, which brings the zoom power up to 5.5x* by magnifying the image using the center of the CCD.
*In 3-megapixel resolution mode.

-----28mm -----35mm

High-Quality 3.0" LCD Shows You Big, Beautiful Images

The 3.0" LCD has a total of 230,000-pixel resolution, which guarantees clear, sharp images. The Dual Image Playback Display feature makes it easier to compare two images in detail. The Out-of-Frame Display feature shows the image within a 2.5-inch frame while showing shooting information outside the frame. These smart features take advantage of the FX50's big, bright screen.

Out-of-Frame Display

Dual Image Playback Display

Intelligent ISO Control Helps Avoid Motion Blur

In addition to low-noise shooting at up to ISO 1250 with full resolution, the FX50 features the Intelligent ISO Control for ISO setting, which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving.

Normal ISO Auto   Intelligent ISO

Smooth Wide-Screen VGA Motion Images

The FX50 records smooth, beautiful motion images in Wide VGA size (848 x 480 pixels). This is ideal for viewing on a wide-screen TV. The FX50's high-sensitivity CCD uses the pixel-mixed readout method, which helps ensure that the motion images are extremely bright and easy to see.

•Simple Mode makes it easy for even beginners to take great photos
•Use any of 17 scene modes according to the situation
•Up to 8 consecutive shots at 3 frames per second
•Quick Response, with1.3 second startup

(Standard Accessories)
•Battery Charger •Battery Pack •Battery Carrying Case
•SD Memory Card (16MB*) •AV Cable •AC Cable •USB Cable
•Strap •CD-ROM *1MB = 1 million bytes. Usable capacity will be less.

* Leica is a registered trademark of Leica Microsystems IR GmbH.
   The 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.

Simply Superb: Beautiful Image Rendering and 3x Optical Zoom

With Intelligent Image Stabilizer

Without Intelligent Image Stabilizer

FX12

Color: -S (Silver), -K (Black)

| 3x Optical Zoom | 7.2 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |

Full Resolution

Basic Functions

| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | ASPECT SELECT | HIGH ANGLE | POWER LCD | WIDE VGA | SCN HELP | EASY GUI | QUICK SETTING | REAL TIME HISTO GRAM | GUIDE LINES | WORLD TIME | TRAVEL DATE | DATE STAMP |

Shooting Mode (Mode Dial)

SCN (Scene Mode)

FX10

Color: -S (Silver), -K (Black), -A (Blue)

| 3x Optical Zoom | 6.0 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |

Full Resolution

Accessories (Available as optional accessories)

MARINE CASE

18

Simple, Easy-to-Use Compact Camera that Automatically Beats the Blurs

LEICA DC VARIO-ELMARIT Lens with 3x Optical Zoom and F2.8 Brightness

On top of the 3x optical zoom, the FX12 and FX10 offer Extra Optical Zoom. This feature uses the center of the CCD to boost zoom power to as high as 4.5x (FX12) or 4.1x (FX10) in 3-megapixel resolution mode.

Simple Mode Means Easy Shooting for Everyone

In Simple mode the camera makes all of the complicated settings automatically and the settings menu is simplified. Taking a beautiful shot is as easy as pressing the shutter button.

SIMPLE MODE
PICT.MODE
AUTO REVIEW   ON
BEEP
CLOCK SET
SELECT   EXIT MENU SET

Intelligent ISO Control Prevents Motion Blur

A moving subject no longer means you're stuck with a blurry photo. Intelligent ISO Control detects if the subject is moving and automatically raises the ISO and shutter speed settings accordingly. The higher settings prevent motion blur, so you get clear, beautiful shots even when your subject won't hold still.
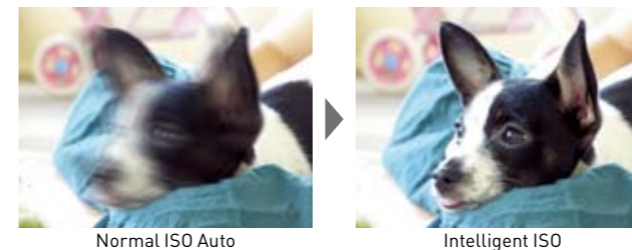
Normal ISO Auto   Intelligent ISO

MEGA O.I.S. Prevents Blurring from Hand-Shake

It's hard to hold a small camera steady. That's why the FX12 and FX10 feature MEGA O.I.S., which automatically detects and compensates for hand-shake. You get clear, beautiful shots even when shooting in dim lighting, shooting macro close-ups or taking self-portraits.

MEGA O.I.S. **OFF**   MEGA O.I.S. **ON**
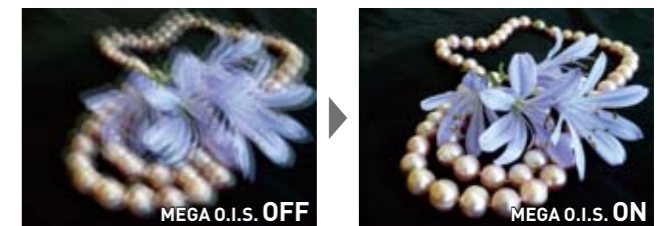
Up to 370 Shots Between Battery Charges

Thanks to the energy-saving Venus Engine III and a long-lasting battery, the compact FX12/FX10 takes shot after shot without running out of power. You can snap as many as 370 (FX10) / 350 (FX12)* shots on a single battery charge. *Based on CIPA standard.

Use any of 20 scene modes for easy shooting

Turn the dial to SCN and choose any mode from the LCD screen, and the camera makes the settings that best suit the situation. Each mode is explained in the help section.

•**Optional marine case for underwater photography (to a depth of 40 m)**

DMW-MCFX07

(Standard Accessories)
•Battery Charger •Battery Pack •Battery Carrying Case •AV Cable
•AC Cable •USB Cable •Strap •CD-ROM

* Leica is a registered trademark of Leica Microsystems IR GmbH.
   The 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.

Triple Wide: Wide-Angle Lens, Wide-Ratio Photos, Wide-Screen LCD

LX2

Color: -S (Silver), -K (Black)

4x Optical Zoom | 10.2 Megapixels | 2.8" WIDE LCD | ISO 1600 | 0.009 sec Shutter-Release | 13MB Built-in Memory | MEGA O.I.S | INTELLIGENT ISO | Venus Engine III

Full Resolution

LEICA DC LENS

Basic Functions

EX ZOOM | VARIOUS AF | AF ASSIST LAMP | MF ASSIST | ASPECT SELECT | HIGH ANGLE | POWER LCD | ∞ | WIDE VGA | SCN HELP | QUICK SETTING | WB ADJUST | REAL TIME HISTO GRAM | GUIDE LINES | AUTO BRACKET | WORLD TIME | TRAVEL DATE | RAW

Shooting Mode (Mode Dial)   **SCN (Scene Mode)**

The Beauty of 16:9 Images and the Power to Prevent Blurring

28mm Wide-Angle Leica DC Lens with 16:9 Wide CCD & LCD

The DMC-LX2 features a 4x optical zoom with a wide 28mm field of view (35mm equivalent) when shooting in the 16:9 format at 10.2-megapixel resolution. This and the 16:9 CCD with 10.2 million effective pixels give you superb image quality over a wide shooting range. And perfectly proportioned for wide-screen images, a 16:9 wide 2.8" LCD with 207,000-pixel resolution is equipped. The Extra Optical Zoom gives you up to 5.5x in 5-megapixel resolution mode.

Quick Choice of Three Aspect Modes

A switch at the top of the lens barrel lets you choose an aspect ratio of normal 4:3, wide 16:9, or the 3:2 used in film cameras*. A 16:9 image is obtained using the wide-angle lens and large CCD, instead of the conventional method of cropping the top and bottom of a 4:3 image.
*The number of effective pixels varies with the aspect ratio.

4:3 mode   3:2 mode   16:9 mode
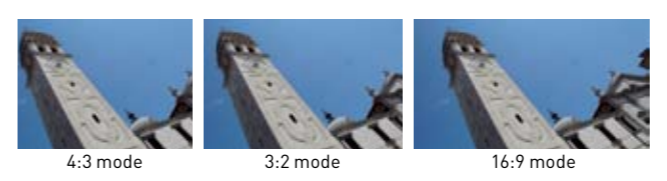
Minimal Motion Blur with Intelligent ISO Control

In addition to low-noise shooting at up to ISO 1600 with full resolution, the LX2 features the "Intelligent ISO Control" for ISO sensitivity setting which helps you get blur-free shots by automatically adjusting the ISO sensitivity (up to ISO 800) and shutter speed according to how much the subject is moving.

Normal ISO Auto   Intelligent ISO

Easy-to-Use Joystick - Just Use Your Thumb

The joystick on the camera back lets you adjust the aperture, shutter speed, focus and exposure compensation while framing your shot on the LCD screen. Or simply press and hold the joystick, and you can also change several settings. There's no need to switch to the menu screen.

•**Two axis white balance adjustment setting**
(blue - amber, and magenta - green)

•**16:9 wide high definition motion images**
(1270 x740 pixels at 15fps)

•**RAW file compatible**
(editable with the included software "SILKYPIX Developer Studio 2.0 SE")

(Standard Accessories)
•Battery Charger •Battery Pack •Battery Carrying Case •Lens Cap
•Lens Cap Strap •AV Cable •AC Cable •USB Cable •Strap •CD-ROM

Compact, Easy-to-Use Camera   Powered by Two AA Batteries

NEW
LZ7
Color: -S (Silver), -K (Black)

| 6x Optical Zoom | 7.2 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |
Full Resolution

NEW
LZ6
Color: -S (Silver)

| 6x Optical Zoom | 7.2 Megapixels | 2.0" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |
Full Resolution

NEW
LS75
Color: -S (Silver), -K (Black)

| 3x Optical Zoom | 7.2 Megapixels | 2.5" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |
Full Resolution

NEW
LS60
Color: -S (Silver)

| 3x Optical Zoom | 6.0 Megapixel | 2.0" LCD | ISO 1250 | 0.005 sec Shutter-Release | 27 MB Built-in Memory |
Full Resolution

1x

3x

6x

9x* (Extra Optical Zoom)
*In 3-magapixel resolution for LZ7/LZ6.

6x Zoom Power* with Easy Zoom function

The power of a telephoto lens, the convenience of a compact camera. The LZ7 and LZ6 come equipped with a 6x optical zoom lens and add the Extra Optical Zoom feature, which extends zooming to as high as 9x**. The camera switches instantly from 1x to 6x to 9x (full Extra Optical Zoom) power, each time you press the Easy Zoom button on the camera top. You're always ready when the perfect photo opportunity comes along. *The LS75 and LS60 have a 3x optical zoom; Extra Optical Zoom extends zooming to as much as 4.5x (LS75) / 4.1x (LS60). **3-magapixel resolution mode.

MEGA O.I.S. Prevents Blurring from Hand-Shake

It's hard to hold a small camera steady. That's why the LZ7, LZ6, LS75 and LS60 feature MEGA O.I.S., which automatically detects and compensates for hand-shake. You get clear, beautiful shots even when zooming, shooting macro close-ups or taking night scenery.

MEGA O.I.S. OFF   MEGA O.I.S. ON

Intelligent ISO Control Prevents Motion Blur

The camera senses if your subject is moving and raises the ISO and shutter speed settings accordingly, preventing motion blur. You get clear, crisp shots even when if your subject moves. Also, you can set the sensitivity to as high as ISO 1250 .
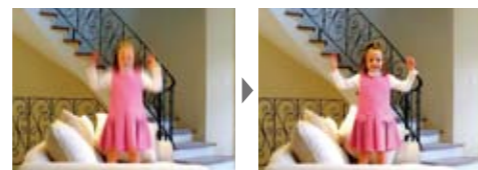
Normal ISO Auto   Intelligent ISO

Select Any of 18 Scene Modes for Easy Shooting

Turn the dial to SCN and choose any mode from the LCD screen, and the camera makes the settings that best suit the situation. Each mode is explained in the help section.

Food Mode   Fireworks Mode

Simple Mode for Super-Easy Operation - Even for Beginners

Just set the mode dial to the heart symbol, aim, and press the shutter button. The camera handles the complicated settings automatically and the settings menu is simplified, so there's no stress, no confusion and no worries. You can even compensate for backlighting by just pressing the cursor key. You'll find it easy to take clear, beautiful shots – even if you know very little about digital cameras.
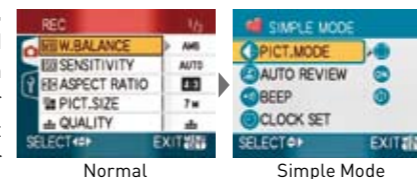
Normal   Simple Mode
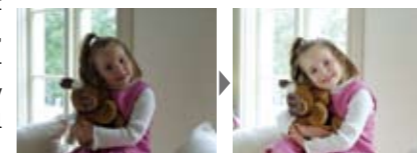
Backlight Compensation

Mode Dial and Easy-to-Understand Icons

As you turn the mode dial, the icon shown in the LCD changes to indicate the mode being selected. This makes it easy to select the mode you want without taking your eyes off the LCD.

INTELLIGENT ISO

Quick Settings without Taking Your Eyes Off the Subjects

Press the FUNCTION button, and you can easily change settings such as auto focus, light metering, white balance, ISO sensitivity, image size, image quality and so on. There's no need to switch to the menu screen.

Runs on Two AA Batteries

LZ and LS models can run on two AA batteries, which you can buy just about anywhere. If your battery power is running low, just pick up a fresh supply. The Oxyride batteries that come with the camera let you take many more photos than you can with ordinary alkaline batteries.

	Oxyride batteries	AA (LR6) alkaline batteries	Ni-MH (up to 2600 mAh) Rechageable batteries
LZ7/LS75	250	150	460
LZ6/LS60	260	160	470

*Based on CIPA standard. Operating Temperature: 0ºC - 40ºC; Operating Humidity: 10%-80%; Please note that the performance of the Oxyride™ batteries and the alkaline batteries significantly decreases in low temperature conditions.
**To ensure accurate power level readings, you must switch the battery mode on the camera to "Oxyride" when using Oxyride™ batteries.

(Standard Accessories)
•AA Oxyride Battery x2 •AV Cable (LZ7)
•Video Cable (LZ6, LS75 and LS60) •USB Cable •Strap •CD-ROM

Basic Functions

| EX ZOOM | VARIOUS AF | AF ASSIST LAMP | ASPECT SELECT | HIGH ANGLE | | WIDE VGA | SCN HELP | EASY GUI | QUICK SETTING | WB ADJUST | * METAL HISTO GRAM | GUIDE LINES | WORLD TIME | TRAVEL DATE | DATE STAMP |

* LZ7/LZ6 only

Shooting Mode (Mode Dial)   SCN (Scene Mode)

22   23

Digital SLR that feels the way a camera should

A Panasonic's first digital SLR camera with Leica Interchangeable lens, aims to create a new photographic culture for the digital age.

L1

LEICA D VARIO-ELMARIT 14-50mm/F2.8-3.5 ASPH.
- The lens system including two dual-sided aspherical lenses minimizes distortion and peripheral vignetting at the wide end
- A superior multi-coating process helps reduce ghosts and flaring
- MEGA O.I.S. compensates for hand-shake to help prevent blurring.

Intuitive form and function
- Aperture ring equipped with the LEICA D lens for easy, direct aperture setting (F2.8 - F22 in 1/3 EV steps)
- Shutter speed dial on the camera top lets you set the shutter speed from 1/2000 to 2 sec in 1/3 EV steps*

* The menu screen lets you make settings in the range of 1/4000 to 60 sec.

Full-time Live View on the large, high-resolution LCD
- 2.5" LCD offers 100% field of view and the clarity of 207000 pixels
- Simultaneously allows you to compose photos while viewing the LCD
- In focusing manually, you can magnify a part of the image by10x for greater focusing precision

7.5-megapixel, 4/3-type Live MOS sensor
- Offers image quality comparable to a CCD sensor with the low power requirements of a CMOS sensor
- 5V low-voltage dedicated processing technology assures low noise

Dust Reduction System protects the image sensor
Incorporates a Supersonic Wave Filter that uses supersonic vibration to remove dust from the sensor every time the camera is turned on

Film Mode suits your creative intent
Just as photographers can switch film brands to change the imaging characteristics, the L1 provides a total of seven "film" modes to choose from, including four color settings (Standard, Dynamic, Natural and Smooth) and three monochrome settings (Standard, Dynamic and Smooth).

(Standard Accessories)
- Battery Charger/AC adaptor • Battery Pack • Eyepiece Cap • Body Cap
- Video Cable • USB Cable • AC Cable • DC Cable • Strap • CD-ROM

(Optional Accessories)
- Leather Bag DMW-BAL1 • Shoulder Strap DMW-SSTL1
- Battery Pack CGR-S603 • Remote Shutter Control DMW-RSL1
- MC Protector DMW-LMCH72 • PL Filter DMW-LPL72
- External Flash (GN50) DMW-FL500 • External Flash (GN36) DMW-FL360

The L1 can be used with Four Thirds lenses and other accessories made by a variety of manufacturers (e.g. Zuico and SIGMA),, giving you a host of equipment options.

Options that give you more comfort. More creativity. More fun.

Wide Conversion Lens
DMW-LW55
(0.7x)
(for FZ50/FZ8*)

Tele-Conversion Lens
DMW-LT55
(1.7x)
(for FZ50/FZ8*)

Close-Up Lens
DMW-LC55
(for FZ50/FZ8*)

External Flash
DMW-FL360
(for L1/FZ50)

DMW-FL500
(for L1/FZ50)

MC Protector
DMW-LMC52 (for FZ8)
DMW-LMC55 (for FZ50/FZ8*)
DMW-LMC72 (for L1)
DMW-LMCH62 (for L1)
DMW-LMCH72 (for L1)

ND Filter
DMW-LND55 (for FZ50/FZ8*)
DMW-LND52 (for FZ8)
DMW-LND72 (for L1)

PL Filter
DMW-LPL62 (for L1)
DMW-LPL72 (for L1)

Remote Shutter
DMW-RSL1
(for L1/FZ50)
DMW-RS1
(for FZ50)

Shoulder Strap
DMW-SSTL1
(for L1)

Lens Adaptor
DMW-LA2
(for FZ8)

Marine Case
DMW-MCTZ3 (for TZ3/TZ2)
DMW-MCFX30 (for FX30)
DMW-MCFX07 (for FX07/FX12/FX10)

AC Adaptor
DMW-AC5 (for TZ3/TZ2/LX2/FX series)
DMW-AC6 (for LZ7/LZ6/LS75/LS60)
DMW-AC7 (for FZ50/FZ8)

Battery Pack
CGA-S005 (for LX2/FX50/FX07/FX12/FX10)
DMW-BCE10 (for FX30), CGR-S006 (for FZ50/FZ8),
CGA-S007 (for TZ3/TZ2), CGR-S603 (for L1)

SD Memory Card

4GB*:	RP-SDR04G
2GB*:	RP-SDK02G
	RP-SDQ02G
1GB*:	RP-SDK01G
	RP-SDQ01G
512MB*:	RP-SDK512
256MB*:	RP-SDH256
128MB*:	RP-SD128B
64MB*:	RP-SD064B
32MB*:	RP-SD032B

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

Carrying Case

DMW-BAL1
(for L1/FZ50)

DMW-CZA30
(for FZ50)

DMW-CHFZ8
(for FZ8)

DMW-CZS7
(for FZ8)

DMW-CLXA1
(for LX2)

DMW-CT3
(for TZ3/TZ2)

DMW-CX50
(for FX50)

DMW-CX07-K
(for FX30/
FX07/FX12/
FX10)

DMW-CX07-W
(for FX30/
FX07/FX12/
FX10)

DMW-CHFX30
(for FX30/FX07/
FX12/FX10)

DMW-CX12
(for FX30/FX07/
FX12/FX10)

DMW-CTA1
(for FX30/FX07)

DMW-CXA1-A
(for FX30/FX07)

DMW-CXA1-K
(for FX30/FX07)

DMW-CXA1-R
(for FX30/FX07)

DMW-CXA1-T
(for FX30/FX07)

DMW-CHTZ3
(for TZ3/TZ2/LZ7/
LZ6/LS75/LS60)

DMW-CLZ5
(for LZ7/LZ6)

DMW-CLS75
(for LS75/LS60)

Interchangeable Lenses Designed Specifically for the Digital SLR Camera.

Standard Zoom Lens

LEICA D VARIO-ELMARIT 14-50mm/F2.8-3.5 ASPH./MEGA O.I.S.
- World's first Leica lens with MEGA O.I.S. designed specifically for digital cameras
- Two large-diameter aspherical lenses for superb optical performance
- Aperture ring for easy, intuitive operation
- Minimum focus distance of 29 cm over the entire zoom range

Fixed Focal Length Lens

LEICA D SUMMILUX 25mm/F1.4 ASPH.
- Bright, large-diameter F1.4 25mm fixed focal length lens (35mm equivalent: 50mm)
- One super ED lens and three ED lenses for minimal color bleeding
- Aperture ring with a familiar, intuitive touch
- Minimum photographic distance of 38 cm for beautiful macro shooting

*Use of the DMW-LA2 is required.
• Some accessories are not available in some countries.

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

A Wealth of Functions Adds to Your Shooting Fun

Basic Function

EX ZOOM 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.

VARIOUS AF Auto Focus mode

1-point AF
The camera focuses on the subject in the AF area on the center of the screen.

1-point high-speed AF
Guarantees fast focus. A centered subject is captured sharply.

Spot AF
This mode keys the focus to a small area within the frame. *Not on some models

3-point high-speed AF
Prevents the system from mistakenly focusing on the area between two subjects in a horizontal composition. *Not on some models

5-point AF
Avoids unfocused pictures with the use of five focus points. *Not on some models

9-point AF
Automatically selects any of nine focus points, and provides sharp focus even when the subject is off-center or in motion. *Not on some models

Multi-point AF (FZ8 only)
The auto focus function has six different patterns using 11 focus points. By selecting a focus zone with the joystick or cursor button before shooting, you can use the focus mode that best suits your image composition.

### AF ASSIST LAMP AF Assist Lamp

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

MF ASSIST Manual Focus Assist

This function either magnifies to 2x the center area of the image shown in the LCD or enlarges the entire image. The larger image makes it easier for you to ensure that you have a sharp, accurate focus. You can also move the enlarged position up or down, or to the right or left.

ASPECT SELECT 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 panel to show 16:9 images recorded on an SD Memory Card, the images may not fill the entire screen.

| 4:3 | 3:2 | 16:9 |
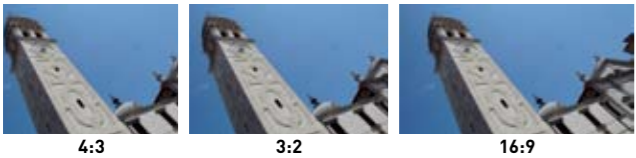
HIGH ANGLE High Angle Mode

Makes it easier to see the monitor while holding the camera high to shoot over a crowd.

POWER LCD Power LCD

The LCD backlight becomes about 40% brighter, so images are easy to see even in bright sunlight.

EVF Color EVF (Electronic Viewfinder)

The visual field is close to 100%, so you see virtually the entire image in the frame.

∞ Unlimited Consecutive Shooting

You can keep shooting until the memory card or built-in memory is full. Take a series of shots, then choose the ones you like best and delete the rest.
*The consecutive shooting speed varies depending on the model, shooting conditions and memory card.

WIDE VGA Wide VGA Motion Image

Record smooth, beautiful wide VGA-size (848 x 480 pixels) motion images - perfect for viewing on a wide-screen TV.
*When recording motion images with the picture quality set to (wide VGA, 30fps), we recommend that you use a high-speed SD Memory Card that says "10 MB/s" or greater on the package.

9 CUTOUT 9 Still Images Cutout from Motion Picture

Motion pictures 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.

SCN HELP Scene Mode Help Screen

A description of each scene mode is displayed, making it easier for you to choose the one that's best for the conditions.

EASY GUI Easy-to-Understand GUI

The scene mode and mode position displays on the LCD now use icon symbols instead of text for easier operation and setting. They're also quicker to use, so you have more to time to compose a great shot.
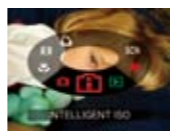
QUICK SETTING Quick Setting

Press and hold down the joystick or the Function or Delete button when you're ready to shoot, and 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.

WB ADJUST White Balance Adjustment

When it's difficult to get the exact coloration you want, you can add bluish or reddish tones in -/+10 steps of 150 Kelvin each*. The FZ50, FZ8 and LX2 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.

REAL-TIME HISTOGRAM Real-Time Histograms

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.

GUIDE LINES Composition Guide Lines

Displayed in the LCD together with shooting information, these thin horizontal and vertical lines make it easier to compose shots and hold the camera level.

AUTO BRACKETING Auto Bracketing

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

WORLD TIME World Time Setting

After selecting one of 74 locations on the map, the camera automatically calculates and displays the local time.

TRAVEL DATE 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.

DATE STAMP Date 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 on your photos. The stamped information appears on photos. *When the date is stamped on a photo, the photo is automatically resized to 3 megapixels, or the original size is maintained for photos smaller than 3 megapixels. However, you can choose either to save or overwrite the original picture.

RAW RAW format compatible

In this format the image data is recorded directly from the CCD in its original, unprocessed form.

Shooting Functions (Mode Dial)

◉ Normal Picture Mode (Program AE)

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 Simple and Motion Image modes.

♥ Simple Mode

The camera makes virtually all of the settings for you, so even first-time users can take beautiful photos. If you're shooting directly toward the light, hold the cursor button down to turn on the backlighting compensation function, so the subject doesn't appear too dark.

✿ Macro Mode

Use this mode to take incredible close-ups. You can focus on subjects within about 5 cm (0.16 ft) of the lens*. *When shooting with the lens in wide-angle position
Tele Macro (FZ8, TZ3 and TZ2)
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.

A Auto Mode

Take beautiful photos right out of the box - even if you've never used a digital camera. The camera makes all the settings, you just aim and press the shutter button. Press and hold the cursor button to turn on the backlight compensation function.

P Program AE Mode

The camera makes the optimal aperture and shutter speed settings for you.

A Aperture Priority AE Mode

Set the focal ratio to between F2.8 and F8.0* and to determine the depth of field. *F11.0 in the FZ50

S Shutter Priority AE Mode

Set the shutter speed between 1/2000 and 8 seconds to freeze or emphasize movements.

M Manual Exposure Mode

You have full control over both the shutter speed and aperture. With shutter speeds from 1/2000 to 60 seconds and aperture settings (F stops) from F2.8 to F8.0 (F11.0 in the FZ50), you get a range of artistic possibilities to explore. You can also choose noise reduction when shooting at slow shutter speeds.

Manual Exposure Assist
In manual mode, this function shows how much your exposure setting differs from the setting the camera considers optimal.
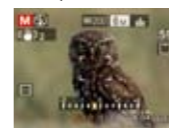
▦ Motion Picture Mode

The camera can record VGA-size (640 x 480 pixels) or WVGA-size (848 x 480 pixels) motion images. The CCD uses the pixel-mixed readout method, which enhances the brightness level.

▶ Playback Mode

After shooting, enjoy viewing your photos on your LUMIX camera's LCD. View them as a slide show; display 1, 9 or 25 images at a time; or use Calendar View to see thumbnails of all the shots taken on a particular date.

25-window Display   Calendar View

CUSTOM Custom Mode (FZ50 only)

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.

⎙ Print Mode

Make settings in a PictBridge-compatible printer without using the menu screen. If you're using a Panasonic KX-PX20/KX-PX2 dye sublimation printer, the printer can make corrections based on information in the camera to produce prints with enhanced beauty.

⌗ Intelligent ISO Control Mode

Allows the automatic adjustment of the suitable ISO setting (up to ISO 1250) and shutter speed that best suits the situation by analyzing the speed of subject movement.

⌨ Clipboard Mode (TZ3/TZ2 only)

Lets you record and store photos showing flight times, train schedules, maps and other vital info.

SCN Scene Mode

Select one or two of the following modes according to the shooting conditions. In addition, you can also use a help screen that explains what each mode is for.

Scene Mode

⚘ 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

Lets you take portrait shots with night background with a flash and slower shutter speed.

Night Scenery Mode

Lets you get beautiful photos at night of illuminated landscapes or buildings.

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.
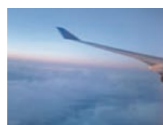
Snow Mode

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

High Sensitivity Mode

Raises the ISO sensitivity to 3200, which lets you shoot at a higher shutter speed to prevent blurred shots of moving subjects. *Note that resolution is significantly lower in this mode.

Baby Mode (1 and 2)

Input the date of your baby's birthday, and keep a running photographic record as he or she grows up. Skin tones are slightly softened to enhance beauty. 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 prevents 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.

Accessory (Available as optional accessory)

TELE Tele-Conversion Lens

Increases your total zoom power. Gives you the power to bring even more distant objects into range.

WIDE Wide Conversion Lens

Increases the field of view at lower zoom settings, so you can shoot a wider area.

CLOSE UP Close-up lens

The convex surface of the lens acts like a magnifying glass, letting you take dramatic close-ups.

MC MC Protector

Protects the camera lens from scratches and other damage.

ND ND (neutral density) filter

Reduces light intensity by 3 aperture stops and allows slower shutter speeds.

EXTERNAL TTL FLASH External TTL Flash

Provides perfect lighting for shots of subjects further away in the dark.

MARINE CASE 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.

REMOTE SHUTTER Remote Shutter

Recommended for still exposures without touching the camera (e.g. tripod shots).

LUMIX Brings More to Your Living Room.
More Linking, More Possibilities, More Fun.

Plasma TV with Superb Image Quality

50PZ700E

Take the SD Memory Card from your LUMIX camera and slip it into the card slot on the TV. Now you're ready for a spectacular slide show.* The big screen fills with bright, vivid, detailed images in 16:9 format to perfectly fit the screen. There's no better way to view the beautiful images your LUMIX camera captures. * Motion images can't be played using the SD card slot. To play back motion images, use the included AV cable or video cable.

Conventional   16:9 format

View photos with family and friends

Save Save precious memories forever

Project wall-sized images

Print photos at home easily
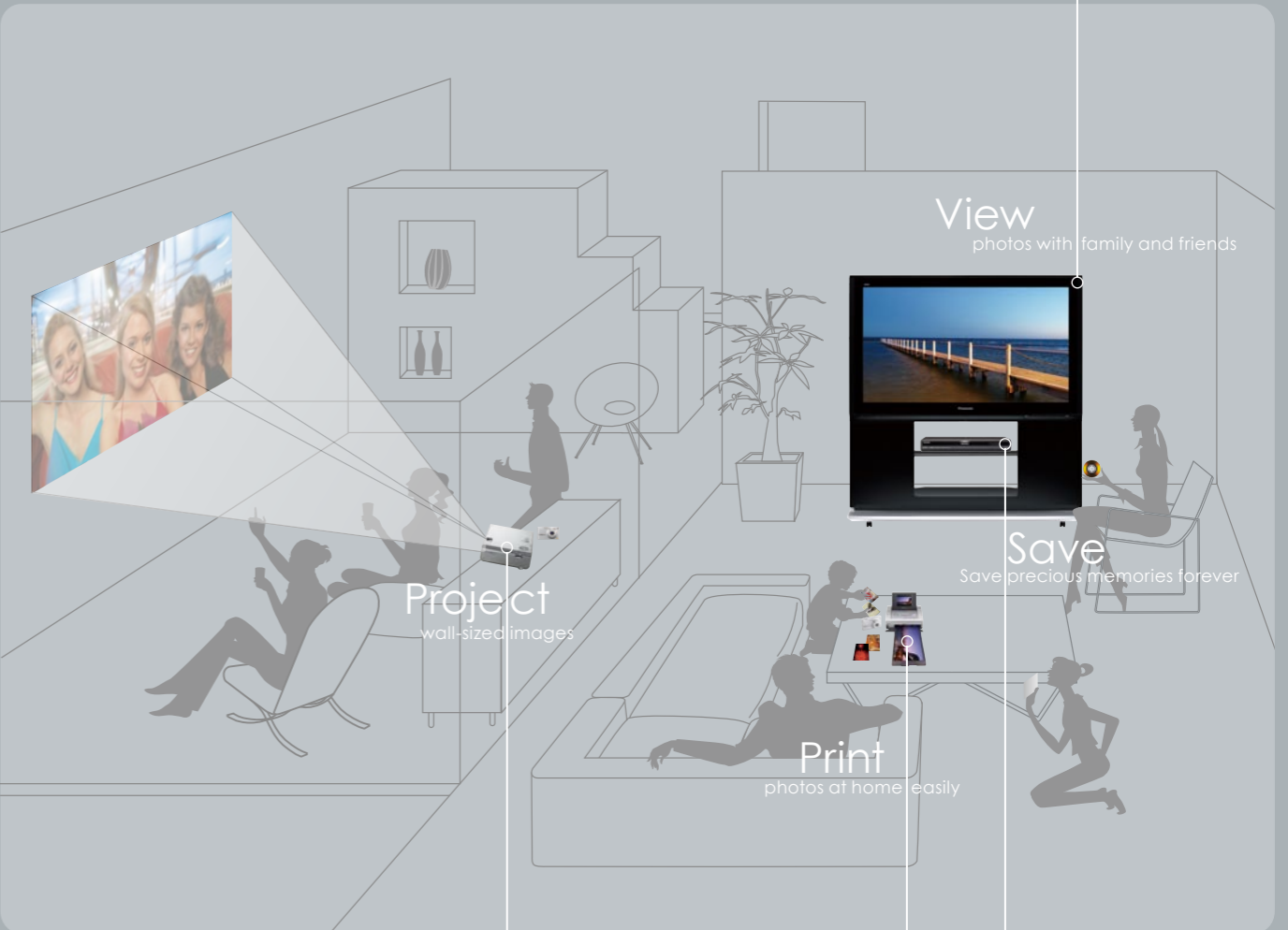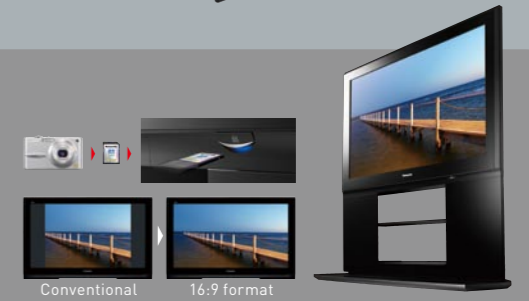
Handy, Easy-to-Use HDTV Photo Player

DMW-SDP1
Connect the DMW-SDP1 to your HD TV, and you can view photos in stunning 1080i high-definition quality even if the TV doesn't have an SD card slot.

World's Smallest and Lightest* Projector

PT-P1SD
Insert an SD Memory Card into the card slot and enjoy a beautiful slide show of your own photos. *For an LCD projector, as of January 2006.

Photo Printer with 3.6" LCD*

KX-PX20/KX-PX2
This printer can obtain additional photo information from LUMIX, so the photos you print are even more vivid. You can also print photos in 16:9 format. *PX20 only; the PX2 has a 1.5" LCD

High-Image-Quality DVD Recorder

DMR-EH67
Just slip the SD Memory Card into the DVD recorder's card slot, and you can burn your own digital photo albums on DVD-RAM discs.

Specifications

	DMC-FZ50	DMC-FZ8	DMC-TZ3	DMC-TZ2	DMC-LX2	DMC-FX50	DMC-FX30	DMC-FX07
Camera Effective Pixels	10.1 Megapixels	7.2 Megapixels	7.2 Mega pixels	6.0 Mega pixels	10.2 Mega pixels	7.2 Mega pixels	7.2 Mega pixels	7.2 Mega pixels
CCD Sensor	1/1.8" [10.4 Mega Total Pixels], Primary Color Filter	1/2.5" [7.38 Mega Total Pixels], Primary Color Filter	1/2.35" [8.50 Mega Total Pixels], Primary Color Filter	1/2.33" [7.39 Mega Total Pixels], Primary Color Filter	1/1.65" [16.9] [7.38 Mega Total Pixels], Primary Color Filter	1/2.5" [7.38 Mega Total Pixels], Primary Color Filter	1/2.5" [7.38 Mega Total Pixels], Primary Color Filter	1/2.5" [7.38 Mega Total Pixels], Primary Color Filter
Lens	LEICA DC VARIO-ELMARIT 14 elements in 10 groups [3 aspherical lenses, 1 ED lens]	LEICA DC VARIO-ELMARIT 11 elements in 8 groups [3 aspherical lenses]	LEICA DC VARIO-ELMAR 11 elements in 9 groups [3 aspherical lenses, 1ED lens]	LEICA DC VARIO-ELMAR 11 elements in 9 groups [3 aspherical lenses, 1ED lens]	LEICA DC VARIO-ELMARIT 9 elements in 8 groups [3 aspherical lenses]	LEICA DC VARIO-ELMARIT 7 elements in 6 groups [4 aspherical lenses]	LEICA DC VARIO-ELMARIT 7 elements in 6 groups [5 aspherical lenses]	LEICA DC VARIO-ELMARIT 7 elements in 6 groups [4 aspherical lenses]
Optical Zoom	12x	12x	10x	10x	3.6x	3.6x	3.6x	3.6x
Extra Optical Zoom (Max.)	21.4x [except for the maximum image size for each aspect ratio]	18x [except for the maximum image size for each aspect ratio]	15x [except for the maximum image size for each aspect ratio]	13.8x [except for the maximum image size for each aspect ratio]	[4:3] 6.2x, [3:2] 5.6x, [16:9] 5.5x [any resolution except the maximum for the selected aspect ratio]	5.5x [except for the maximum image size for each aspect ratio]	5.3x [except for the maximum image size for each aspect ratio]	5.5x [except for the maximum image size for each aspect ratio]
Digital Zoom	2x or 4x [Max. 85.5x combined with Extra Optical Zoom]	4x [Max. 72x combined with Extra Optical Zoom]	4x [Max. 60 x combined with Extra Optical Zoom]	4x [Max. 55x combined with Extra Optical Zoom]	4x [Max. 24.8x combined with Extra Optical Zoom]	4x [Max. 21.9x combined with Extra Optical Zoom]	4x [Max. 21.4x combined with Extra Optical Zoom]	4x [Max. 21.9x combined with Extra Optical Zoom]
Focal Length	f=7.4 - 88.8 mm [35 mm equiv.: 35 - 420 mm]	f=6 - 72 mm [35 mm equiv.: 36 - 432 mm]	f=4.6 - 46 mm [35 mm equiv.: 28 - 280 mm]	f=4.6 - 46 mm [35 mm equiv.: 28 - 280 mm]	f=6.3 - 25.2 mm [35 mm equiv.: 28 - 112 mm in 16:9 aspect mode]	f=4.6 - 16.8 mm [35 mm equiv.: 28 - 102 mm]	f=4.6 - 16.4 mm [35 mm equiv.: 28 - 100 mm]	f=4.6 - 16.8 mm [35 mm equiv.: 28 - 102 mm]
MEGA O.I.S.	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]	Yes [Mode1 / Mode2]
Conversion Lens	Yes	Yes [requires lens adaptor DMW-LA2]	-	-	-	-	-	-
Focusing Area	Normal: 30 cm [W]/200 cm [T] - ∞ Macro: 5 cm [W]/200 cm [T] - ∞	P/A/S/M/Intelligent ISO/Motion Picture: 30 cm [W]/200 cm [T] - ∞ MF/Simple/Macro [except tele end]: 5 cm [W]/200 cm [T] - ∞ Tele Macro: 100 cm - ∞	Normal: 50 cm [W]/200 cm [T] - ∞ Macro/Simple/Intelligent ISO/Motion Picture/ Clipboad [except tele end]: 5 cm [W]/200 cm [T] - ∞ Tele Macro: 100 cm - ∞	Normal: 50 cm [W]/200 cm [T] - ∞ Macro/Simple/Intelligent ISO/Motion Picture/ Clipboad [except tele end]: 5 cm [W]/200 cm [T] - ∞ Tele Macro: 100 cm - ∞	Normal: 50 cm [W]/100 cm [T] - ∞ Macro/MF/Auto: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞ Macro/Simple: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm [W]/30 cm [T] - ∞	Normal: 50 cm - ∞ Macro/Simple: 5 cm [W]/30 cm [T] - ∞
Focus	AF/AF-Macro/MF Switchable, Manual Focus [Ring], Continuous AF On/Off	AF/AF-Macro/MF Switchable, Manual Focus [Joystick], Continuous AF On/Off	Auto Focus System, Normal/Macro [Dial], Continuous AF On/Off	Auto Focus System, Normal/Macro [Dial], Continuous AF On/Off	AF/AF-Macro/MF switchable, Continuous AF On/Off	Auto Focus System, Normal/Macro [Dial]	Auto Focus System, Normal/Macro [Dial]	Auto Focus System, Normal/Macro [Dial]
AF Metering	1-point/1-point high-speed/3-point high-speed/ 9-point/Spot	1-point/1-point high-speed/ 3-point high-speed/Multi-point/Spot	1-point/1-point high-speed/3-point high-speed/ 9-point/Spot	1-point/1-point high-speed/ 3-point high-speed/9-point/Spot	1-point/1-point high-speed/3-point high-speed/ 9-point/Spot	1-point/1-point high-speed/3-point high-speed/ 9-point/Spot	1-point/1-point high-speed/3-point high-speed/ 5-point/Spot	1-point/1-point high-speed/3-point high-speed/ 9-point/Spot
AF Assist Lamp	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ISO Sensitivity	Auto/Intelligent ISO/100/200/400/800/1600 [High Sensitivity mode: 3200]	Auto/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/Intelligent ISO/100/200/400/800/1600 [High Sensitivity mode: 3200]	Auto/Intelligent ISO/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/100/200/400/800/1250 [High Sensitivity mode: 3200]	Auto/Intelligent ISO/100/200/400/800/1250 [High Sensitivity mode: 3200]
White Balance	Auto/Daylight/Cloudy/Shade/Halogen/Flash/ White Set1+2; 2-axis adjustable in +/- 9 steps	Auto/Daylight/Cloudy/Shade/Halogen/Flash/ White Set1+2; 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]	Auto/Daylight/Cloudy/Shade/Halogen/Flash/White Set1+2; 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]	Auto/Daylight/Cloudy/Shade/Halogen/White Set; Adjustable in +/- 10 steps [except Auto]
Exposure	Auto, Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE	Program AE	Auto, Program AE, Aperture Priority AE, Shutter Priority AE, Manual	Program AE	Program AE	Program AE
Scene Mode	Auto/P/A/S/M/SCN [Portrait/Soft Skin/ Sports/Panning/Night Portrait/Night Scenery/ Food/Party/Candle Light/Fireworks/ Starry Sky/Snow/High Sensitivity/Baby1+2]/ Motion Picture/Playback/Custom	P/A/S/M/Simple/SCN [Portrait/Soft Skin Scenery/Sports/Panning/Night Portrait/ Night Scenery/Food/Party/Candle Light/ Fireworks/Starry Sky/Beach/Aerial Photo/Snow/ High Sensitivity/Baby1+2/Sunset/Pet]/ Motion Picture/Playback/Print	Simple/Normal/Macro/SCN1+2 [Portrait/ Soft Skin/Scenery/Sports/Night Portrait/ Night Scenery/Self-Portrait/Food/Party/ Candle Light/Fireworks/Starry Sky/Beach/ Aerial Photo/Snow/High Sensitivity/Baby1+2/ Underwater/Sunset/Pet]/Motion Picture/ Playback/Clipboard/Print/Intelligent ISO	Simple/Normal/Macro/SCN1+2 [Portrait/ Soft Skin/Scenery/Sports/Night Portrait/ Night Scenery/Self-Portrait/Food/Party/ Candle Light/Fireworks/Starry Sky/Beach/ Aerial Photo/Snow/High Sensitivity/Baby1+2/ Underwater/Sunset/Pet]/Motion Picture/ Playback/Clipboard/Print/Intelligent ISO	Auto/P/A/S/M/SCN1+2 [Portrait/Soft Skin/Scenery/ Sports/Night Portrait/Night Scenery/Self-Portrait/ Food/Party/Candle Light/Fireworks/Starry Sky/ Beach/Aerial Photo/Snow/High Sensitivity/ Baby1+2]/Motion Picture/Playback/Print	Simple/Normal/Macro/SCN [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/Night Scenery/ Self-Portrait/Food/Party/Candle Light/Fireworks/ Starry Sky/Beach/Aerial Photo/Snow/ High Sensitivity/Baby1+2]/Motion Picture/ Playback/Print	Normal/Simple/Macro/SCN [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/Night Scenery/ Self-Portrait/Food/Party/Candle Light/Fireworks/ Starry Sky/Beach/Aerial Photo/Snow/ High Sensitivity/Baby1+2/Underwater/Sunset/Pet]/ Motion Picture/Playback/Print/Intelligent ISO	Simple/Normal/Macro/SCN [Portrait/Soft Skin/ Scenery/Sports/Night Portrait/Night Scenery/ Self-Portrait/Food/Party/Candle Light/Fireworks/ Starry Sky/Beach/Aerial Photo/Snow/ High Sensitivity/Baby1+2/Underwater]/ Motion Picture/Playback
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	1/3 EV step, -2 - +2 EV
Backlight Compensation	Yes [in Auto mode]	Yes [in Simple mode]	Yes [in Simple mode]	Yes [in Simple mode]	Yes [in Auto mode]	Yes [in Simple mode]	Yes [in Simple mode]	Yes [in Simple mode]
Auto [AE] Bracketing	+/- 1/3 EV -1EV step, 3 frames	+/- 1/3 EV -1EV step, 3 frames	+/- 1/3 EV step, 3 frames	-	+/- 1/3 EV -1EV step, 3 frames	+/- 1/3 EV -1EV step, 3 frames	+/- 1/3 EV -1EV step, 3 frames	-
Light Metering	Intelligent Multiple/Center Weighted/Spot	Intelligent Multiple/Center Weighted/Spot	Intelligent Multiple/Center Weighted/Spot	Intelligent Multiple/Center Weighted/Spot	Intelligent Multiple/Center Weighted/Spot	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple
Aperture	Wide: F2.8 - F11; Tele: F3.7 - F8.0	Wide: F2.8 - F8.0; Tele: F3.7 - F8.0	2 steps: F3.3/F8.0 [W], F4.9/F11 [T]	2 steps: F3.3/F8.0 [W], F4.9/F11 [T]	Wide: F2.8 - F8.0, Tele: F4.9 - F8.0	2 steps: F2.8/F8.0 [W], F5.6/F16 [T]	2 steps: F2.8/F8.0 [W], F5.6/F16 [T]	2 steps: F2.8/F8.0 [W], F5.6/F16 [T]
Shutter Speed	Auto: 1/4 - 1/2000 sec, P: 1 - 1/2000 sec, A/S: 8 - 1/2000 sec, M: 60 - 1/2000 sec [Starry Sky mode: 15/30/60 sec]	P: 1 - 1/2000 sec, A/S: 8 - 1/2000 sec, M: 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]	Auto: 1/4 - 1/2000 sec, P: 1 - 1/2000 sec, A/S: 8 - 1/2000 sec, M: 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]
Recording Format	Still Images: JPEG [DCF, Exif2.21 compliant], RAW, DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], RAW, DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], RAW, DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG	Still Images: JPEG [DCF, Exif2.21 compliant], DPOF compatible; Images w/ Audio: JPEG [DCF, Exif2.21 compliant] + QuickTime; Motion Images: QuickTime Motion JPEG
Recording Pixels [Still Images]	[4:3] 3648 x 2736, 3264 x 2448, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3600 x 2400, 3248 x 2160, 2560 x 1712, 2048 x 1360; [16:9] 3584 x 2016, 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3216 x 2144, 2560 x 1712, 2048 x 1360; [16:9] 3328 x 1872, 2560 x 1440, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x960, 640 x 480; [3:2] 2976 x 1984, 2560 x 1712, 2048 x 1360; [16:9] 3072 x 1728, 2560 x 1440, 1920 x 1080	[4:3] 3168 x 2376, 2880 x 2160, 2304 x 1728, 2048 x 1536, 1600 x 1200, 1280 x 960; [3:2] 3568 x 2376, 3248 x 2160, 2560 x 1712, 2048 x 1360; [16:9] 4224 x 2376, 3840 x 2160, 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080
Image Quality	RAW/Fine/Standard	RAW/Fine/Standard	Fine/Standard	Fine/Standard	RAW/Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard
Motion Picture	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[16:9] 1280 x 720 [15 fps]/848 x 480, [4:3] 640 x 480/320 x 240 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240, [16:9] 848 x 480 pixels; 30 or 10 fps
Burst Shooting [with full resolution]	2 or 1 fps, Up to 5 [Standard]/ 3 [Fine] images	3 or 2 fps, Up to 7 [Standard]/ 5 [Fine] images	3 or 2 fps, Up to 7 [Standard]/ 5 [Fine] images	-	2 or 1 fps, Up to 5 [Standard]/ 3 [Fine] images	3 or 2 fps, Up to 8 [Standard]/6 [Fine] images	3 or 2 fps, Up to 7 [Standard]/ 5 [Fine] images	3 or 2 fps, Up to 8 [Standard]/6 [Fine] images
Unlimited* Consecutive Shooting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Forced On/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced Off; Flash Output Adjustment: -2 - +2 EV in 1/3EV steps	Auto, Auto/Red-eye Reduction, Forced On, Forced On/Red-eye Reduction, Slow Sync./Red-eye Reduction, Forced Off; Flash Output Adjustment: -2 - +2 EV in 1/3EV steps	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 Output Adjustment: -2 - +2 EV in 1/3EV steps	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 Range [in ISO Auto]	0.3 - 7.4 m [W]/0.3 - 5.6 m [T]	0.3 - 6.0 m [W]/1.0 - 5.4 m [T]	0.6 - 4.2 m [W]/1.0 - 2.8 m [T]	0.6 - 4.2 m [W]/1.0 - 2.8 m [T]	0.6 - 4.9 m [W]/0.3 - 2.2 m [T]	0.6 - 4.0 m [W]/0.3 - 2.0 m [T]	0.6 - 5.0 m [W]/0.3 - 2.5 m [T]	0.6 - 4.0 m [W]/0.3 - 2.0 m [T]
External Flash	Hot Shoe [TTL Auto]	-	-	-	-	-	-	-
Self Timer	10 sec/2 sec	10 sec/10 sec [3 continuous images]/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
Picture Adjustment	Contrast/Sharpness/Saturation/ Noise Reduction	Contrast/Sharpness/Saturation/ Noise Reduction	-	-	Contrast/Sharpness/Saturation/Noise Reduction	Natural/Standard/Vivid	-	Natural/Standard/Vivid
Color Effect Mode	Cool/Warm/Black & White/Sepia	Cool/Warm/Black & White/Sepia	-	-	Cool/Warm/Black & White/Sepia	Cool/Warm/Black & White/Sepia	-	Cool/Warm/Black & White/Sepia
Color Mode	-	-	Standard/Vivid/Cool/Warm/Natural/ Black & White/Sepia	Standard/Vivid/Cool/Warm/Natural/ Black & White/Sepia	-	-	Standard/Vivid/Cool/Warm/Natural/ Black & White/Sepia	-
Color EVF	0.44" [235k pixels], Approx. 100% coverage	0.44" [188k pixels], Approx. 100% coverage	-	-	-	-	-	-
LCD Monitor	Free-Angle 2.0" Polycrystalline TFT LCD [207k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [207k pixels], Approx. 100% coverage	3.0" Polycrystalline TFT LCD Display [230k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [207k pixels], Approx. 100% coverage	2.8" Wide Polycrystalline TFT LCD Display [207k pixels], Approx. 100% coverage	3.0" Polycrystalline TFT LCD Display [230k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [207k pixels], Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display [207k pixels], Approx. 100% coverage
Recording Media	SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	SD Memory Card, SDHC Memory Card, MultiMediaCard
Built-in Memory	-	27MB	12.7MB	12.7MB	13MB	-	27MB	-
Microphone / Speaker	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Interface	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB	DC Input, AV Output [NTSC/PAL], USB
Direct Print	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Power Sources	Li-ion Battery Pack [7.2V, 710mAh], AC Adaptor [optional]	Li-ion Battery Pack [7.2V, 710mAh], AC Adaptor [optional]	Li-ion Battery Pack [3.7V, 1000mAh], AC Adaptor [optional]	Li-ion Battery Pack [3.7V, 1000mAh], AC Adapter [optional]	Li-ion Battery Pack [3.7V, 1150mAh], AC Adaptor [optional]	Li-ion Battery Pack [3.7V, 1150mAh], AC Adaptor [optional]	Li-ion Battery Pack [3.6V, 1000mAh], AC Adaptor [optional]	Li-ion Battery Pack [3.7V, 1150mAh], AC Adaptor [optional]
Battery Life [Approx.] [CIPA**]	360 images	380 images	270 images	300 images	300 images	300 images	280 images	320 images
Dimensions [Approx.] [W x H x D]	140.75 x 85.5 x 142 mm [5.54 x 3.37 x 5.59 inch]	112.5 x 72.2 x 79.0 mm [4.43 x 2.84 x 3.11 inch]	105.0 x 59.2 x 36.7 mm [4.20 x 2.37 x 1.47 inch]	105.0 x 59.2 x 36.7 mm [4.20 x 2.37 x 1.47 inch]	105.7 x 55.8 x 26.3 mm [4.16 x 2.20 x 1.04 inch]	97.9 x 57.1 x 25.1 mm [3.85 x 2.25 x 0.99 inch]	94.9 x 51.9 x 22.0 mm [3.74 x 2.04x 0.87 inch]	94.1 x 51.1 x 24.2 mm [3.70 x 2.01 x 0.95 inch]
Weight [approx.] [camera body only]	668 g [1.47 lb]	310 g [0.68 lb]	232 g [0.51 lb]	222 g [0.49 lb]	187 g [0.41 lb]	151 g [0.33 lb]	132 g [0.29 lb]	132 g [0.29 lb]
Included Softwares	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, SILKYPIX Developer Studio 2.0 SE, ArcSoft [PhotoImpression/PanoramaMaker], USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, SILKYPIX Developer Studio 2.0 SE, ArcSoft [PhotoImpression/PanoramaMaker], USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft [PhotoImpression/PhotoBase/ PanoramaMaker], USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft [PhotoImpression/PhotoBase/ PanoramaMaker], USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, SILKYPIX Developer Studio 2.0 SE, ArcSoft [PhotoImpression/PanoramaMaker], USB Driver	LUMIX Simple Viewer, ArcSoft [PhotoImpression/PhotoBase/ PanoramaMaker], USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft [PhotoImpression/PhotoBase/ PanoramaMaker], USB Driver	LUMIX Simple Viewer, ArcSoft [PhotoImpression/PhotoBase/ PanoramaMaker], USB Driver
Standard Accessories	Battery Charger, Battery Pack, SD Memory Card [32MB], Lens Cap, Lens Hood, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Lens Cap, Lens Hood, Lens Hood Adaptor, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, Lens Cap, Lens Cap Strap, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, SD Memory Card [16MB], AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, SD Memory Card [16MB], AV Cable, USB Cable, AC Cable, Strap, CD-ROM

Specifications

	DMC-FX12	DMC-FX10	DMC-LZ7	DMC-LZ6	DMC-LS75	DMC-LS60
Camera Effective Pixels	7.2 Mega pixels	6.0 Mega pixels	7.2 Mega pixels	7.2 Mega pixels	7.2 Mega pixels	6.0 Mega pixels
CCD Sensor	1/2.5" (7.38 Mega Total Pixels), Primary Color Filter	1/2.5" (6.37 Mega Total Pixel), Primary Color Filter	1/2.5" (7.38 Mega Total Pixels), Primary Color Filter	1/2.5" (7.38 Mega Total Pixels), Primary Color Filter	1/2.5" (7.38 Mega Total Pixels), Primary Color Filter	1/2.5" (6.37 Mega Total Pixels), Primary Color Filter
Lens	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (3 aspherical lenses)	LEICA DC VARIO-ELMARIT 7 elements in 6 groups (3 aspherical lenses)	LUMIX DC VARIO 8 elements in 7 groups (2 aspherical lenses)	LUMIX DC VARIO 8 elements in 7 groups (2 aspherical lenses)	LUMIX DC VARIO 7 elements in 6 groups (3 aspherical lenses)	LUMIX DC VARIO 7 elements in 6 groups (3 aspherical lenses)
Optical Zoom	3x	3x	6x	6x	3x	3x
Extra Optical Zoom (Max.)	4.5x (except for the maximum image size for each aspect ratio)	4.1x (except for the maximum image size for each aspect ratio)	9x (except for the maximum image size for each aspect ratio)	9x (except for the maximum image size for each aspect ratio)	4.5x (except for the maximum image size for each aspect ratio)	4.1x (except for the maximum image size for each aspect ratio)
Digital Zoom	4x (Max. 18x combined with Extra Optical Zoom)	4x (Max. 16.5x combined with Extra Optical Zoom)	4x (Max. 36x combined with Extra Optical Zoom)	4x (Max. 36x combined with Extra Optical Zoom)	4x (Max. 18x combined with Extra Optical Zoom)	4x (Max. 16.5x combined with Extra Optical Zoom)
Focal Length	f=5.8 - 17.4 mm (35 mm equiv.: 35 - 105 mm)	f=5.8 - 17.4 mm (35 mm equiv.: 35 - 105 mm)	f=6.1 - 36.6 mm (35 mm equiv.: 37 - 222 mm)	f=6.1 - 36.6 mm (35 mm equiv.: 37 - 222 mm)	f=5.8 - 17.4 mm (35 mm equiv.: 35 - 105 mm)	f=5.8 - 17.4 mm (35 mm equiv.: 35 - 105 mm)
MEGA O.I.S.	Yes (Mode1 / Mode2)	Yes (Mode1 / Mode2)	Yes (Mode1 / Mode2)	Yes (Mode1 / Mode2)	Yes (Mode1 / Mode2)	Yes (Mode1 / Mode2)
Conversion Lens	-	-	-	-	-	-
Focusing Area	Normal: 50 cm - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/30 cm (T) - ∞	Normal: 50 cm - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/30 cm (T) - ∞	Normal: 50 cm (W)/120 cm (T) - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/50 cm (T) - ∞	Normal: 50 cm (W)/120 cm (T) - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/50 cm (T) - ∞	Normal: 50 cm - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/30 cm (T) - ∞	Normal: 50 cm - ∞ Macro/Simple/Intelligent ISO/Motion Picture: 5 cm (W)/30 cm (T) - ∞
Focus	Auto Focus System, Normal/Macro (Dial)	Auto Focus System, Normal/Macro (Dial)	Auto Focus System, Normal/Macro (Dial)	Auto Focus System, Normal/Macro (Dial)	Auto Focus System, Normal/Macro (Dial)	Auto Focus System, Normal/Macro (Dial)
AF Metering	1-point/1-point high-speed/5-point	1-point/1-point high-speed/5-point	1-point/1-point high-speed/3-point high-speed/5-point/Spot	1-point/1-point high-speed/3-point high-speed/5-point/Spot	1-point/1-point high-speed/5-point	1-point/1-point high-speed/5-point
AF Assist Lamp	Yes	Yes	Yes	Yes	Yes	Yes
ISO Sensitivity	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)	Auto/100/200/400/800/1250 (High Sensitivity mode: 3200)
White Balance	Auto/Daylight/Cloudy/Shade/Halogen/White Set	Auto/Daylight/Cloudy/Shade/Halogen/White Set	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	Auto/Daylight/Cloudy/Shade/Halogen/White Set
Exposure	Program AE	Program AE	Program AE	Program AE	Program AE	Program AE
Scene Mode	Normal/Simple/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Underwater/Sunset/Pet)/Motion Picture/Playback/Print/Intelligent ISO	Normal/Simple/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Self-Portrait/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Underwater/Sunset/Pet)/Motion Picture/Playback/Print/Intelligent ISO	Simple/Normal/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Sunset/Pet)/Motion Picture/Playback/Print/Intelligent ISO	Normal/Simple/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Sunset/Pet)/Motion Picture/Playback/Print/Intelligent ISO	Intelligent ISO/Normal/Simple/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Sunset/Pet)/Motion Picture/Playback/Print	Intelligent ISO/Normal/Simple/Macro/SCN (Portrait/Soft Skin/Scenery/Sports/Night Portrait/Night Scenery/Food/Party/Candle Light/Fireworks/Starry Sky/Beach/Aerial Photo/Snow/High Sensitivity/Baby1+2/Sunset/Pet)/Motion Picture/Playback/Print
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 Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)	Yes (in Simple mode)
Auto (AE) Bracketing	-	-	-	-	-	-
Light Metering	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple	Intelligent Multiple
Aperture	2 steps: F2.8/F8.0 (W), F5.0/F14 (T)	2 steps: F2.8/F8.0 (W), F5.0/F14 (T)	2 steps: F2.8/F8.0 (W), F4.5/F13 (T)	2 steps: F2.8/F8.0 (W), F4.5/F13 (T)	2 steps: F2.8/F8.0 (W), F5.0/F14 (T)	2 steps: F2.8/F8.0 (W), F5.0/F14 (T)
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)
Recording Format	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG	Still Images: JPEG (DCF, Exif2.21 compliant), DPOF compatible; Motion Images: QuickTime Motion JPEG
Recording Pixels (Still Images)	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 3072 x 2304, 2560 x 1920, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 3072 x 2048, 2048 x 1360; [16:9] 3072 x 1728, 1920 x 1080	[4:3] 2816 x 2112, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480; [3:2] 2816 x 1880, 2048 x 1360; [16:9] 2816 x 1584, 1920 x 1080
Image Quality	Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard	Fine/Standard
Motion Picture	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps	[4:3] 640 x 480/320 x 240; [16:9] 848 x 480 pixels; 30 or 10 fps
Burst Shooting (with full resolution)	-	-	-	-	-	-
Unlimited* Consecutive Shooting	Yes	Yes	Yes	Yes	Yes	Yes
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
Flash Range (in ISO Auto)	0.3 - 5.0 m (W)/0.3 - 2.8 m (T)	0.3 - 5.0 m (W)/0.3 - 2.8 m (T)	0.5 - 5.4 m (W)/0.5 - 3.3 m (T)	0.5 - 5.4 m (W)/0.5 - 3.3 m (T)	0.3 - 4.7 m (W)/0.3 - 2.6 m (T)	0.3 - 4.7 m (W)/0.3 - 2.6 m (T)
External Flash	-	-	-	-	-	-
Self Timer	10 sec/2 sec	10 sec/2 sec	10 sec/2 sec	10 sec/2 sec	10 sec/2 sec	10 sec/2 sec
Picture Adjustment	-	-	-	-	-	-
Color Effect Mode	-	-	-	-	-	-
Color Mode	Natural/Standard/Vivid/Black & White/Sepia	Natural/Standard/Vivid/Black & White/Sepia	Natural/Standard/Vivid/Black & White/Sepia	Natural/Standard/Vivid/Black & White/Sepia	Natural/Standard/Vivid/Black & White/Sepia	Natural/Standard/Vivid/Black & White/Sepia
Color EVF	-	-	-	-	-	-
LCD Monitor	2.5" TFT LCD Display (115k pixels), Approx. 100% coverage	2.5" TFT LCD Display (115k pixels), Approx. 100% coverage	2.5" Polycrystalline TFT LCD Display (115k pixels), Approx. 100% coverage	2.0" Polycrystalline TFT LCD Display (86k pixels), Approx. 100% coverage	2.5" TFT LCD Display (115k pixels), Approx. 100% coverage	2.0" TFT LCD Display (86k pixels), Approx. 100% coverage
Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard	Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard
Built-in Memory	27MB	27MB	27MB	27MB	27MB	27MB
Microphone / Speaker	Yes / Yes	Yes / Yes	Yes / -	-	-	-
Interface	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, AV Output (NTSC/PAL), USB	DC Input, Video Output (NTSC/PAL), USB	DC Input, Video Output (NTSC/PAL), USB	DC Input, Video Output (NTSC/PAL), USB
Direct Print	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge	PictBridge
Power Sources	Li-ion Battery Pack (3.7V, 1150mAh), AC Adaptor (optional)	Li-ion Battery Pack (3.7V, 1150mAh), AC Adaptor (optional)	Two AA Batteries, AC Adaptor (optional)	Two AA Batteries, AC Adaptor (optional)	Two AA Batteries, AC Adaptor (optional)	Two AA Batteries, AC Adaptor (optional)
Battery Life (Approx.) (CIPA**)	350 images	370 images	250 images	260 images	250 images	260 images
Dimensions (Approx.) (W x H x D)	94.1 x 51.4 x 24.2 mm (3.70 x 2.02 x 0.95 inch)	94.1 x 51.4 x 24.2 mm (3.70 x 2.02 x 0.95 inch)	98.5 x 62.3 x 33.1 mm (3.88 x 2.45 x 1.30 inch)	98.5 x 62.3 x 33.1 mm (3.88 x 2.45 x 1.30 inch)	93.7 x 62.0 x 29.7 mm (3.69 x 2.44 x 1.17 inch)	93.7 x 62.0 x 29.7 mm (3.69 x 2.44 x 1.17 inch)
Weight (approx.) (camera body only)	125 g (0.28 lb)	125 g (0.28 lb)	184 g (0.40 lb)	180 g (0.39 lb)	138 g (0.30 lb)	135 g (0.29 lb)
Included Softwares	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase/PanoramaMaker), USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase/PanoramaMaker), USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase), USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase), USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase), USB Driver	LUMIX Simple Viewer, PHOTOfunSTUDIO-viewer-, ArcSoft (PhotoImpression/PhotoBase), USB Driver
Standard Accessories	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Battery Charger, Battery Pack, Battery Carrying Case, AV Cable, USB Cable, AC Cable, Strap, CD-ROM	Two AA Oxyride Batteries, AV Cable, USB Cable, Strap, CD-ROM	Two AA Oxyride Batteries, Video Cable, USB Cable, Strap, CD-ROM	Two AA Oxyride Batteries, Video Cable, USB Cable, Strap, CD-ROM	Two AA Oxyride Batteries, Video Cable, USB Cable, Strap, CD-ROM

	L1
Camera Effective Pixels	7.5 Megapixels
Image Sensor	4/3-type (17.3 x 13.0 mm), 7.9 Mega Total Pixel Live MOS sensor, Primary Color Filter
Mount	Four Thirds mount
Dust Reduction System	Supersonic Web Filter
Digital Zoom	2x, 4x (Live View only)
Extra Optical Zoom	Max. 1.5x (Live View only. Not effective with full pixel recording. Magnification ratio depends on the recording pixels.)
Focus	Type: TTL Phase Difference Detection System; Modes: AFS/AFC/MF
AF Assist Lamp	YES
ISO Sensitivity	Auto/100/200/400/800/1600
White Balance	Auto/Daylight/Cloudy/Shade/Halogen/Flash/White Set 1&2/Color temperature setting (2500 to 10000 K in 31steps)
White Balance Adjustment	Blue/Amber Bias, Magenta/Green Bias
Exposure	Program AE/Aperture Priority AE/Shutter Priority AE/Manual
Exposure Compensation	1/3 EV step, -2 - +2 EV
AE Bracket	±1/3 EV - 1 EV step, 3 or 5 frames
Light Metering System	TTL Full Aperture Light Metering by 49-Zone Multi-pattern Sensing system (optical viewfinder) 256-Zone Multi-pattern Sensing system (Live View mode)
Metering Range	0 - 20 EV with optical viewfinder; 0 - 16 EV with Live View mode (with F2.0 lens, ISO 100)
Shutter Speed	1/4000 - 60 sec and bulb (up to approx. 8 minutes)
Recording File Format	JPEG(DCF/Exif 2.21 compliant), DPOF compatible, RAW
Recording Pixels (Still Images)	[4:3] 3136 x 2352, 2560 x 1920, 2048 x 1536; [3:2] 3136 x 2080, 2560 x 1712, 2048 x 1360; [16:9] 3136 x 1760, 1920 x 1080
Color Space	sRGB, Adobe RGB
Burst Shooting Mode	3 or 2 fps; Max. 6 images (when there are RAW file), Unlimited* Consecutive Shooting (when there are no RAW file)
Built-in Flash	Auto, Auto/Red-eye Reduction, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced On, Forced Off; Flash Output Adjustment: -2 - +2 EV in 1/3 EV steps
Hot Shoe	TTL Auto with FL360/FL500 (optional)
Viewfinder	Optical Viewfinder (Eye-level Porro Mirror), Approx. 95% coverage; Magnification: approx. 0.93x; Detachable Eyepiece Shutter
LCD Monitor	2.5" Low temperature Polycrystalline TFT LCD (207k pixels), Approx. 100% coverage in Live View mode
Recording Media	SD Memory Card/SDHC Memory Card/MultiMediaCard
Film Mode	Color: Standard/Dynamic/Nature/Smooth Color; Black and White: Standard/Dynamic/Smooth Color
Direct Print	PictBridge
Interface	Digital: USB 2.0 (High Speed); Analog Video: NTSC/PAL Composite (switched by menu)
Power Souces (Included)	Li-ion Battery Pack (7.2V, 1500mAh), Battery Charger/AC Adaptor (Input: 110-240 V AC)
Battery Life	450 images (CIPA** standard with Leica D Elmarit12-50mm/F2.8-3.5 ASPH))
Dimensions (approx.) (W x H x D)	145.8 x 86.9 x 80 mm
Weight (approx.)	530 g (camera body only)
Standard Accessories	Battery Charger/AC adaptor, Battery Pack, Eyepiece Cap, Body Cap, Video Cable, USB Cable, AC Cable, DC Cable, Strap, CD-ROM (LUMIX Simple Viewer, PhotofunStudio-viewer-, SILKYPIX Developer Studio 2.0 SE, USB Driver)

	LEICA D VARIO-ELMARIT 14-50mm/F2,8-F3.5 ASPH
Lens Construction	16 elements in 12groups (2 aspherical lenses)
Mount	Four Thirds mount
MEGA O.I.S.	YES On/Off (selectable Mode1/2 with only DMC-L1)
Focal Length	f=14 to 50 mm (35 mm equiv.: 28 to 100 mm)
Aperture Type	7 diaphragm blades/iris diaphragm
Aperture Range	F2.8 (W) - F3.5 (T)
Minimum Aperture	F22
Closest Focusing Distance	0.29 m at all focal lengths
Maximum magnification	Approox. 0.32x (35 mm equiv.)
Diagonal Angle of View	75° (W) - 24° (T)
Filter Size	72 mm
Max.Diameter	Ø78.1
Overall Length	102.8 mm
Weight	490 g
Standard Accessories	Lens Cap, Lens Hood, Lens Rear Cap, Lens Storage Bag

Still Image Recording Capacity and Moving Image Recording Time

🔳🔳 : Fine ⬛ : Standard

LX2

Aspect Ratio	Still Image	Built-in RAW	Built-in Fine	Built-in Std	128MB RAW	128MB Fine	128MB Std	256MB RAW	256MB Fine	256MB Std	512MB RAW	512MB Fine	512MB Std	1GB RAW	1GB Fine	1GB Std	2GB RAW	2GB Fine	2GB Std	4GB RAW	4GB Fine	4GB Std
4:3	3648 x 2736 (7.5M)	0	2	6	5	32	65	10	64	125	21	125	250	42	250	510	87	520	1020	170	1030	2010
	2880 x 2160 (6M)	-	3	7	-	39	79	-	78	150	-	150	300	-	310	610	-	630	1220	-	1240	2410
	2304 x 1728 (4M)	-	5	12	-	61	120	-	120	230	-	240	470	-	480	940	-	970	1860	-	1910	3650
	2048 x 1536 (3M)	-	7	15	-	78	150	-	150	290	-	300	590	-	600	1180	-	1220	2360	-	2410	4640
	1600 x 1200 (2M)	-	12	25	-	125	240	-	240	470	-	480	940	-	970	1880	-	1920	3610	-	3770	7090
	1280 x 960 (1M)	-	19	36	-	190	350	-	370	690	-	730	1370	-	1470	2740	-	2920	5120	-	5740	10050
3:2	3568 x 2376 (8.5M)	0	2	5	5	29	58	10	57	110	21	110	220	42	230	450	86	460	910	165	910	1800
	3248 x 2160 (7M)	-	3	6	-	35	70	-	69	135	-	130	270	-	270	540	-	560	1090	-	1100	2150
	2560 x 1712 (4.5M)	-	5	11	-	56	110	-	110	210	-	210	430	-	440	860	-	890	1700	-	1740	3350
	2048 x 1360 (2.5M)	-	8	17	-	88	165	-	170	330	-	340	650	-	680	1310	-	1360	2560	-	2680	5020
16:9	4224 x 2376 (10M)	0	1	4	5	24	49	10	48	97	20	97	190	41	190	380	84	390	770	165	770	1520
	3840 x 2160 (8M)	-	2	5	-	29	59	-	58	115	-	115	230	-	230	460	-	470	930	-	930	1820
	3072 x 1728 (5.5M)	-	4	9	-	46	92	-	91	180	-	180	350	-	360	710	-	730	1420	-	1450	2800
	1920 x 1080 (2M)	-	11	22	-	115	220	-	230	430	-	450	860	-	910	1720	-	1800	3410	-	3540	6700

Moving Image — LX2

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec	980 sec	1970 sec	4020 sec	7910 sec
		30 fps	-	83 sec	165 sec	330 sec	660 sec	1350 sec	2660 sec
	320 x 240	10 fps	75 sec	740 sec	1440 sec	2870 sec	5750 sec	11700 sec	22970 sec
		30 fps	24 sec	250 sec	490 sec	980 sec	1970 sec	4020 sec	7910 sec
16:9	1280 x 720	15 fps	-	61 sec	120 sec	240 sec	490 sec	1010 sec	2000 sec
	848 x 480	10 fps	-	215 sec	420 sec	840 sec	1690 sec	3450 sec	6790 sec
		30 fps	-	71 sec	140 sec	280 sec	560 sec	1160 sec	2280 sec

FZ8

Aspect Ratio	Still Image	Built-in RAW	Built-in Fine	Built-in Std	128MB RAW	128MB Fine	128MB Std	256MB RAW	256MB Fine	256MB Std	512MB RAW	512MB Fine	512MB Std	1GB RAW	1GB Fine	1GB Std	2GB RAW	2GB Fine	2GB Std	4GB RAW	4GB Fine	4GB Std
4:3	3072 x 2304 (7M)	1	7	14	7	35	69	14	68	135	29	135	270	58	270	540	115	550	1090	230	1090	2150
	2560 x 1920 (5M)	-	10	21	-	50	99	-	98	190	-	195	380	-	390	770	-	790	1530	-	1560	3010
	2048 x 1536 (3M)	-	16	33	-	78	150	-	150	290	-	300	590	-	600	1180	-	1220	2360	-	2410	4640
	1600 x 1200 (2M)	-	27	53	-	125	240	-	240	470	-	480	940	-	970	1880	-	1920	3610	-	3770	7090
	1280 x 960 (1M)	-	41	78	-	190	350	-	370	690	-	730	1370	-	1470	2740	-	2920	5120	-	5740	10050
	640 x 480 (0.3M)	-	130	216	-	600	970	-	1170	1900	-	2320	3770	-	4640	7550	-	8780	12290	-	17240	24130
3:2	3072 x 2048 (6M)	1	8	16	8	39	78	16	77	150	32	150	300	65	300	600	130	620	1220	260	1230	2410
	2048 x 1360 (2.5M)	-	19	37	-	88	165	-	170	330	-	340	650	-	680	1310	-	1360	2560	-	2680	5020
16:9	3042 x 1728 (5M)	2	9	19	9	46	92	19	91	180	38	180	350	77	360	710	155	730	1420	300	1450	2800
	1920 x 1080 (2M)	-	25	48	-	115	220	-	230	430	-	450	860	-	910	1720	-	1800	3410	-	3540	6700

Moving Image — FZ8

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
		30 fps	-	83 sec	165 sec**	330 sec**	660 sec**	1350 sec**	2660 sec**
	320 x 240	10 fps	160 sec	740 sec	1440 sec**	2870 sec**	5700 sec**	11700 sec**	22920 sec**
		30 fps	53 sec	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
16:9	848 x 480	10 fps	-	215 sec	420 sec**	840 sec**	1690 sec**	3450 sec**	6780 sec**
		30 fps	-	71 sec	140 sec**	280 sec**	560 sec**	1160 sec**	2280 sec**

TZ2

Aspect Ratio	Still Image	Built-in Fine	Built-in Std	128MB Fine	128MB Std	256MB Fine	256MB Std	512MB Fine	512MB Std	1GB Fine	1GB Std	2GB Fine	2GB Std	4GB Fine	4GB Std
4:3	2816 x 2112 (6M)	3	7	41	82	81	160	160	320	320	640	660	1270	1290	2510
	2048 x 1536 (3M)	7	15	78	150	150	290	300	590	600	1180	1220	2360	2410	4640
	1600 x 1200 (2M)	12	24	125	240	240	470	480	940	970	1880	1920	3610	3770	7090
	1280 x 960 (1M)	19	36	190	350	370	690	730	1370	1470	2740	2920	5120	5740	10050
	640 x 480 (0.3M)	61	100	600	970	1170	1900	2320	3770	4640	7550	8780	12290	17240	24130
3:2	2976 x 1984 (6M)	3	7	42	83	82	160	160	320	320	640	660	1300	1310	2560
	2560 x 1712 (4.5M)	5	10	56	110	110	210	210	430	440	860	890	1700	1740	3350
	2048 x 1360 (2.5M)	8	16	88	165	170	330	340	650	680	1310	1360	2560	2680	5020
16:9	3072 x 1728 (5.5M)	4	8	46	92	91	180	180	350	360	710	730	1420	1450	2800
	2560 x 1440 (3.5M)	6	12	66	130	130	250	250	510	520	1020	1040	2040	2040	4020
	1920 x 1080 (2M)	11	22	115	220	230	430	450	860	910	1720	1800	3410	3540	6700

Moving Image — TZ2

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
		30 fps	-	83 sec	165 sec**	330 sec**	660 sec**	1350 sec**	2660 sec**
	320 x 240	10 fps	73 sec	740 sec	1440 sec**	2870 sec**	5700 sec**	11700 sec**	22920 sec**
		30 fps	23 sec	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
16:9	848 x 480	10 fps	-	215 sec	420 sec**	840 sec**	1690 sec**	3450 sec**	6780 sec**
		30 fps	-	71 sec	140 sec**	280 sec**	560 sec**	1160 sec**	2280 sec**

TZ3

Aspect Ratio	Still Image	Built-in Fine	Built-in Std	128MB Fine	128MB Std	256MB Fine	256MB Std	512MB Fine	512MB Std	1GB Fine	1GB Std	2GB Fine	2GB Std	4GB Fine	4GB Std
4:3	3072 x 2304 (7M)	2	6	35	69	68	135	135	270	270	540	550	1090	1090	2150
	2560 x 1920 (5M)	4	9	50	99	98	190	195	380	390	770	790	1530	1560	3010
	2048 x 1536 (3M)	7	15	78	150	150	290	300	590	600	1180	1220	2360	2410	4640
	1600 x 1200 (2M)	12	24	125	240	240	470	480	940	970	1880	1920	3610	3770	7090
	1280 x 960 (1M)	19	36	190	350	370	690	730	1370	1470	2740	2920	5120	5740	10050
	640 x 480 (0.3M)	61	100	600	970	1170	1900	2320	3770	4640	7550	8780	12290	17240	24130
3:2	3216 x 2144 (7M)	3	6	35	71	70	140	140	270	280	550	560	1110	1110	2190
	2560 x 1712 (4.5M)	5	10	56	110	110	210	210	430	440	860	890	1700	1740	3350
	2048 x 1360 (2.5M)	8	16	88	165	170	330	340	650	680	1310	1360	2560	2680	5020
16:9	3328 x 1872 (6M)	3	7	35	79	78	150	155	300	310	610	630	1210	1110	2410
	2560 x 1440 (3.5M)	6	12	66	130	130	250	250	510	520	1020	1040	2040	2040	4020
	1920 x 1080 (2M)	11	22	115	220	230	430	450	860	910	1720	1800	3410	3540	6700

Moving Image — TZ3

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
		30 fps	-	83 sec	165 sec**	330 sec**	660 sec**	1350 sec**	2660 sec**
	320 x 240	10 fps	73 sec	740 sec	1440 sec**	2870 sec**	5700 sec**	11700 sec**	22920 sec**
		30 fps	23 sec	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
16:9	848 x 480	10 fps	-	215 sec	420 sec**	840 sec**	1690 sec**	3450 sec**	6780 sec**
		30 fps	-	71 sec	140 sec**	280 sec**	560 sec**	1160 sec**	2280 sec**

FX50/FX30/FX07/FX12/LZ7/LZ6/LS75

Aspect Ratio	Still Image	Built-in Fine	Built-in Std	128MB Fine	128MB Std	256MB Fine	256MB Std	512MB Fine	512MB Std	1GB Fine	1GB Std	2GB Fine	2GB Std	4GB Fine	4GB Std
4:3	3072 x 2304 (7M)	7	14	35	69	68	135	135	270	270	540	550	1090	1090	2150
	2560 x 1920 (5M)	10	21	50	99	98	190	195	380	390	770	790	1530	1560	3010
	2048 x 1536 (3M)	16	33	78	150	150	290	300	590	600	1180	1220	2360	2410	4640
	1600 x 1200 (2M)	27	53	125	240	240	470	480	940	970	1880	1920	3610	3770	7090
	1280 x 960 (1M)	41	78	190	350	370	690	730	1370	1470	2740	2920	5120	5740	10050
	640 x 480 (0.3M)	130	210	600	970	1170	1900	2320	3770	4640	7550	8780	12290	17240	24130
3:2	3072 x 2048 (6M)	8	16	39	78	77	150	150	300	300	600	620	1220	1230	2410
	2048 x 1360 (2.5M)	19	37	88	165	170	330	340	650	680	1310	1360	2560	2680	5020
16:9	3072 x 1728 (5M)	9	19	46	92	91	180	180	350	360	710	730	1420	1450	2800
	1920 x 1080 (2M)	25	48	115	220	230	430	450	860	910	1720	1800	3410	3540	6700

Moving Image — FX50/FX30/FX07/FX12/LZ7/LZ6/LS75

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
		30 fps	-	83 sec	165 sec**	330 sec**	660 sec**	1350 sec**	2660 sec**
	320 x 240	10 fps	160 sec	740 sec	1440 sec**	2870 sec**	5700 sec**	11700 sec**	22920 sec**
		30 fps	53 sec	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
16:9	848 x 480	10 fps	-	215 sec	420 sec**	840 sec**	1690 sec**	3450 sec**	6780 sec**
		30 fps	-	71 sec	140 sec**	280 sec**	560 sec**	1160 sec**	2280 sec**

*Except the FX50 and FX07.

FX10/LS60

Aspect Ratio	Still Image	Built-in Fine	Built-in Std	128MB Fine	128MB Std	256MB Fine	256MB Std	512MB Fine	512MB Std	1GB Fine	1GB Std	2GB Fine	2GB Std	4GB Fine	4GB Std
4:3	2816 x 2112 (6M)	8	17	41	82	81	160	160	320	320	640	660	1270	1290	2510
	2048 x 1536 (3M)	16	33	78	150	150	290	300	590	600	1180	1220	2360	2410	4640
	1600 x 1200 (2M)	27	53	125	240	240	470	480	940	970	1880	1920	3610	3770	7090
	1280 x 960 (1M)	41	78	190	350	370	690	730	1370	1470	2740	2920	5120	5740	10050
	640 x 480 (0.3M)	130	210	600	970	1170	1900	2320	3770	4640	7550	8780	12290	17240	24130
3:2	2816 x 1880 (5M)	9	19	46	92	91	180	180	350	360	710	730	1420	1450	2800
	2048 x 1360 (2.5M)	19	37	88	165	170	330	340	650	680	1310	1360	2560	2680	5020
16:9	2816 x 1584 (4.5M)	11	23	55	105	105	210	210	420	430	850	870	1700	1720	3350
	1920 x 1080 (2M)	25	48	115	220	230	430	450	860	910	1720	1800	3410	3540	6700

Moving Image — FX10/LS60

Aspect Ratio		fps	Built-in	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	-	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
		30 fps	-	83 sec	165 sec**	330 sec**	660 sec**	1350 sec**	2660 sec**
	320 x 240	10 fps	160 sec	740 sec	1440 sec**	2870 sec**	5700 sec**	11700 sec**	22920 sec**
		30 fps	53 sec	250 sec	490 sec**	980 sec**	1970 sec**	4020 sec**	7860 sec**
16:9	848 x 480	10 fps	-	215 sec	420 sec**	840 sec**	1690 sec**	3450 sec**	6780 sec**
		30 fps	-	71 sec	140 sec**	280 sec**	560 sec**	1160 sec**	2280 sec**

FZ50

Aspect Ratio	Still Image	128MB RAW	128MB Fine	128MB Std	256MB RAW	256MB Fine	256MB Std	512MB RAW	512MB Fine	512MB Std	1GB RAW	1GB Fine	1GB Std	2GB RAW	2GB Fine	2GB Std	4GB RAW	4GB Fine	4GB Std
4:3	3648 x 2736 (10M)	5	24	49	10	48	97	21	97	190	42	190	380	86	390	780	170	770	1540
	3264 x 2448 (8M)	-	30	61	-	61	120	-	120	240	-	240	480	-	490	970	-	970	1910
	2560 x 1920 (5M)	-	50	99	-	98	190	-	195	380	-	390	770	-	790	1530	-	1560	3010
	2048 x 1536 (3M)	-	78	150	-	150	290	-	300	590	-	600	1180	-	1220	2360	-	2410	4640
	1600 x 1200 (2M)	-	125	244	-	240	470	-	480	940	-	970	1880	-	1920	3610	-	3770	7090
3:2	3600 x 2400 (8M)	6	28	57	12	56	112	23	110	220	48	220	440	97	450	900	190	900	1770
	3248 x 2160 (7M)	-	35	70	-	69	135	-	135	270	-	270	540	-	560	1090	-	1100	2150
	2560 x 1712 (4.5M)	-	56	110	-	110	210	-	210	430	-	440	860	-	890	1700	-	1740	3350
	2048 x 1360 (2.5M)	-	88	169	-	170	330	-	340	650	-	680	1310	-	1360	2560	-	2680	5020
16:9	3584 x 2016 (7M)	7	34	68	14	67	130	28	130	260	56	260	530	115	540	1070	220	1060	2110
	3072 x 1728 (5.5M)	-	46	92	-	91	180	-	180	350	-	360	710	-	730	1420	-	1450	2800
	1920 x 1080 (2M)	-	115	223	-	230	430	-	450	860	-	910	1720	-	1800	3410	-	3540	6700

Moving Image — FZ50

Aspect Ratio		fps	128MB	256MB	512MB	1GB	2GB	4GB
4:3	640 x 480	10 fps	250 sec	490 sec	980 sec	1970 sec	4020 sec	7910 sec
		30 fps	83 sec	165 sec	330 sec	660 sec	1350 sec	2660 sec
	320 x 240	10 fps	740 sec	1440 sec	2870 sec	5750 sec	11700 sec	22970 sec
		30 fps	250 sec	490 sec	980 sec	1970 sec	4020 sec	7910 sec
16:9	848 x 480	10 fps	210 sec	420 sec	840 sec	1690 sec	3450 sec	6790 sec
		30 fps	71 sec	140 sec	280 sec	560 sec	1160 sec	2280 sec

**With the FZ8, TZ3, TZ2, FX30, LZ7, LZ6, LS75, and LS60, motion pictures can be recorded continuously for up to 15 minutes. The maximum continuous recording time (up to 15 minutes) is displayed on the screen.
These figures vary depending on the subject being photographed. In motion image mode, when you set the picture quality 640x480-pixel size at 30fps, we recommend using a high-speed SD Memory Card with "10MB/s" or greater displayed on the package.

Delphi / Greece — Belém / Portugal — Mont-Saint-Michel / France — Volubilis / Morocco — Upper Middle Rhine Valley / Germany

Völklingen Ironworks / Germany — Sun Temple, Konarak / India — Kiev / Ukraine — Plitvice Lakes / Croatia — Brasília / Brazil

Angkor / Cambodia — Shrines and Temples of Nikko / Japan — The Last Supper / Italy — Taj Mahal / India — Las Médulas / Spain

Wieliczka Salt Mine / Poland — Tongariro National Park / New Zealand — City of Bath / UK — Jiuzhaigou / China — Roman Walls of Lugo / China

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