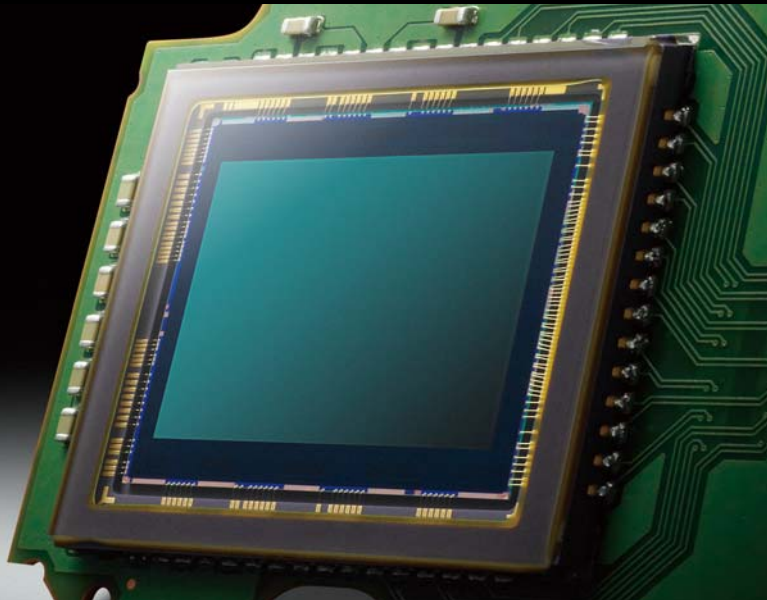# Lumix LX100 II

Take Ultra-high Image Quality Everywhere

4/3-inch 17-megapixel MOS sensor and F1.7-2.8 LEICA DC VARIO-SUMMILUX lens — all in a light, compact package.
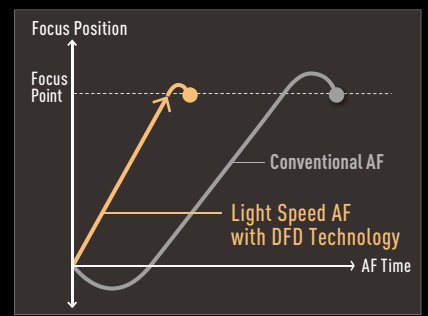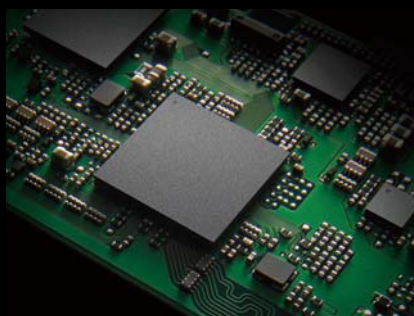
4/3-inch 17MP MOS Sensor with No Low Pass Filter

With effective megapixels raised to 17-megapixel* and no low-pass filter to get in the way, the large 4/3-inch (1.33-inch) MOS sensor teams up with the outstanding LEICA DC lens to deliver incredible resolution. Get ready to shoot landscapes that take your breath away — and portraits that capture those you love with amazingly lifelike realism. * Total sensor pixel count is 21.77-megapixel.

F1.7-2.8 24-75mm LEICA DC VARIO-SUMMILUX Lens

The LEICA DC VARIO-SUMMILUX lens integrated with the LUMIX LX100 II offers F1.7-2.8 brightness for natural-looking bokeh and a high shutter speed for effective low-light photography. The versatile focal range allows you to take many types of photographs, from 24mm* at wide-angle for dynamic landscapes to 75mm* at mid-telephoto for artistic portraits. * 35mm camera equivalent.

Venus Engine

The Venus Engine realistically reproduces the textures of the subject with high resolution, crisp contrast, and expressive colors. And with no low-pass filter, such artifacts as moiré patterns and false colors are minimized.

Multiple Aspect Ratios

The sensor of the LUMIX LX100 II supports multiple aspect ratios. Leveraging effective pixels across a wide area, the camera gives you access to 4:3, 3:2, and 16:9 without any change in focal length.

Fast AF with DFD Technology

DFD (Depth From Defocus) technology instantly calculates the distance to the subject by evaluating two images with different sharpness levels. This achieves fast auto-focus, to help you capture even the most fleeting photo opportunities.

3cm Macro When you take macro shots at 3cm (wide-angle), you experience a world of fine details that are invisible to the naked eye.

POWER O.I.S. Offering highly effective optical image stabilization, this feature is especially helpful when you are shooting macro or with a slow shutter speed.

Enjoyable Usability

Seeming to follow your intention every time you set up a shot,
the camera interfaces with you in a way that makes sense and makes photography more satisfying.
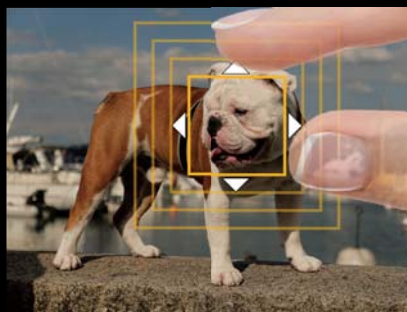
Analog-style Operation

The control layout is designed for intuitive operation. The aperture ring is turned with the left hand, the shutter speed dial with the right. When you point the camera and look through the viewfinder, your right hand naturally finds the exposure compensation dial.

Further, you can set the function of the control ring on the lens barrel to either zoom or focus. Using it as a focus ring gives you smooth, precise control when you require manual focus.
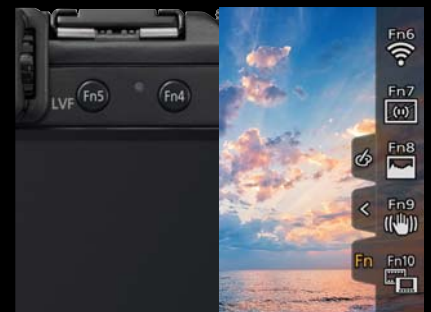
Large, High Resolution LVF

The LVF of the LUMIX LX100 II is 0.38-inch with high 2,760k-dot-equivalent resolution and 0.7x high magnification (35mm camera equivalent). Presenting in fine detail the scene that the lens and image sensor are capturing, the LVF gives you full immersion in your craft.

Intuitive Touch Operation

The 3-inch rear monitor offers approximately 1,240k-dot resolution and convenient touch operation. In addition to touch autofocus and touch shutter control, it allows you to pinch in and out with two fingers to zoom playback, as well as swipe to select the perfect frame after 4K PHOTO shooting.

10 Fn Buttons

A new touch menu allows you to assign 5 functions you commonly access to 5 on-screen buttons. The camera body also has 5 Fn buttons to which you can assign functions, for a total of 10 buttons to support your shooting style.

Wi-Fi® / Bluetooth®	Enjoy remote shooting and easy image sharing via a smartphone or tablet.
AC/USB Power Charging	The battery can be recharged either via AC or USB according to your convenience.

Main Parts and Controls

1. Self-timer indicator / AF assist lamp
2. Hot shoe (Hot shoe cover)
3. Lens (Filter diameter: φ43mm)
4. Shoulder strap eyelet
5. Speaker
6. Tripod mount
7. DC coupler cover
8. Card / Battery door
9. USB / Charge socket
10. HDMI socket
11. Lens front ring
12. Aperture ring
13. Control ring
14. Zoom lever
15. Fn1 button
16. Shutter button
17. Exposure compensation dial
18. iA button
19. Camera ON/OFF switch
20. Shutter speed dial
21. Stereo microphone
22. Aspect ratio selector switch
23. Focus selector switch
24. Viewfinder (LVF)
25. Eye sensor
26. Diopter adjustment dial
27. LVF button / Fn5 button
28. Charging lamp / Wireless connection lamp
29. Fn4 button
30. Motion picture button
31. AF/AE Lock button
32. Q.Menu button / Fn2 button
33. Playback button
34. ISO (ISO sensitivity) button
    WB (White balance) button
    Drive mode button
    AF (Auto focus) mode button
    Menu/Set button / Cursor button / Control dial
35. DISP. button
36. Fn3 button / Delete button / Cancel button
37. Touch screen / Monitor

Optional Accessories

Lens Cap DMW-LFAC1	**Battery Pack** DMW-BLG10	**Battery Charger** DMW-BTC12	**DC Coupler** DMW-DCC11	**AC Adaptor** DMW-AC10
External Flash DMW-FL580L	**External Flash** DMW-FL360L	**External Flash** DMW-FL200L	**LED Video Light** VW-LED1	**Camera Case** DMW-CLXM2

Let Your Imagination Soar

Classic monochrome photography allows you to creatively present a world composed of light and shadow only.
And Panasonic's advanced 4K technology puts the power of leading-edge 4K PHOTO capture in the palm of your hand, bringing out your inner artist.

Robust Monochrome Options

Joining Monochrome as new monochrome modes in Photo Style, L. Monochrome and L. Monochrome D feature even finer gradations. In addition, each of these modes can be combined with Grain Effect at Low, Standard, or High level.
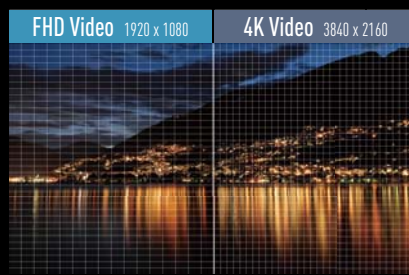
4K PHOTO — 30 fps Burst Shooting

The unique 4K PHOTO feature allows you capture the perfect moment by selecting a frame from a video sequence shot at 30 fps and saving it as an 8-megapixel-equivalent high-resolution image. Don't miss those fleeting moments!
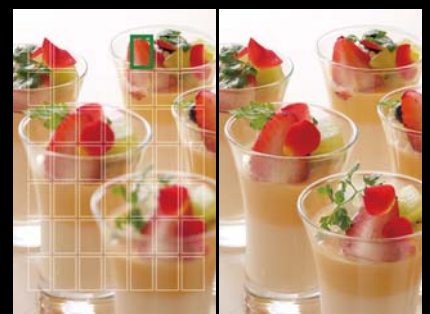
Sequence Composition

Sequence Composition makes the 4K PHOTO feature even more creative. A unique stromotion image can be produced by synthesizing multiple 4K PHOTO images.

4K Video

A leader in 4K technology, Panasonic integrates 4K recording capability into a highly compact body. It allows you to record your precious memories in 3,840 x 2,160 pixel videos — 4 times more pixels than full HD. * Actual resolution: 3840 x 2160p.

Post Focus / Focus Stacking

Panasonic's 4K technology gives you the remarkable capability of refocusing an image even after it has been taken. Select the in-focus area after shooting with the Post Focus function. Or adjust the depth of field after shooting with the Focus Stacking function.

| 22 Filters | The wide variety of filters can be used in combination with P/A/S/M modes, helping you create truly artistic shots. |
| External Flash | The bundled external flash offers a light intensity that is equivalent to GN7 (ISO100 · m), GN10 (ISO200 · m). |

Specifications

Dimensions (W x H x D)		115.0 x 66.2 x 64.2 mm (4.53 x 2.61 x 2.53 inch)
Weight		Approx. 392 g with Battery and SD Memory Card (0.86 lb) Approx. 350 g without Battery and SD Memory Card (0.77 lb)
Camera Effective Pixels		17 Megapixels
Sensor Size / Total Pixels		4/3-inch High Sensitivity MOS Sensor / 21.77 Total Megapixels
Aperture		F1.7 - 2.8 / 9 Diaphragm Blades (F1.7 - 16.0 (W), F2.8 - 16.0 (T))
Focal Length		f = 10.9 - 34mm (24 - 75mm in 35mm equiv. in 4:3, 3:2, 16:9) (28 - 88mm in 35mm equiv. in 1:1) (32 - 100mm in 35mm equiv. in 4:3 in 4K PHOTO) (31 - 97mm in 35mm equiv. in 3:2 in 4K PHOTO) (30 - 94mm in 35mm equiv. in 16:9 in 4K PHOTO / 4K video recording) (34 - 106mm in 35mm equiv. in 1:1 in 4K PHOTO)
Zoom	Optical Zoom	3.1x
	Extra Optical Zoom	4.3x (4:3 / 8.5M (M)), 6.2x (4:3 / 4M (S))
	Intelligent Zoom	6.2x
	Digital Zoom	Max. 4x (When digital zoom is used simultaneously with Intelligent Zoom, you can only increase the zoom ratio up to 2x.)
Lens		LEICA DC VARIO-SUMMILUX 11 elements in 8 groups (5 aspherical lenses / 8 aspherical surfaces / 2 dual-sided aspherical surface ED lenses)
Optical Image Stabilizer		POWER O.I.S.
Focusing Area		Normal: Wide 50 cm - infinity AF Macro / MF / Intelligent Auto / Motion Picture: Wide 3 cm - infinity / Tele 30 cm - infinity
Focus		AF* / AF Macro* / MF *Each available with AFS (Single) / AFF (Flexible) / AFC (Continuous) Quick AF, Continuous AF (during motion picture recording), Touch AF/AE Function, Touch Shutter, Eye Sensor AF, Touch Pad AF, MF Assist, Touch MF Assist, AF+MF, Focus Peaking, One Shot AF (Set the Fn button in custom menu to AF-ON), Low Light AF, Starlight AF
Post Focus / Focus Stacking		Yes / Yes
AF Metering		Face/Eye Detection / Tracking / 49-area / Custom Multi / 1-area / Pinpoint (Full area touch is available)
Shutter Speed	Still Image	Approx. 60 - 1/4,000 sec (Mechanical Shutter) Approx. 1 - 1/16,000 sec (Electronic Shutter) Time (Approx. 30 min)
	Motion Picture	Approx. 1/25 - 1/16,000 sec Approx. 1/2 - 1/16,000 sec (Video M Mode / MF Mode)
File Format		Still Image: JPEG (DCF/Exif2.31) / RAW 4K PHOTO: MP4 Motion Picture: AVCHD Progressive, AVCHD (Audio format: Dolby Audio 2ch), MP4 (Audio format: AAC 2ch)
Filter		Expressive / Retro / Old Days / High Key / Low Key / Sepia / Monochrome / Dynamic Monochrome / Rough Monochrome* / Silky Monochrome* / Impressive Art / High Dynamic / Cross Process / Toy Effect / Toy Pop / Bleach Bypass / Miniature Effect / Soft Focus* / Fantasy / Star Filter* / One Point Color / Sunshine* *For photos only.
Burst Shooting Mode (Approx.)		[AFS] H: 11 frames/sec, M: 7 frames/sec*, L: 2 frames/sec* [AFF/AFC] H: 5.5 frames/sec*, M: 5.5 frames/sec*, L: 2 frames/sec* *With Live View
4K PHOTO Mode*1		4K Burst: 30 frames/sec, max. 15 min 4K Burst (S/S): 30 frames/sec, max. 15 min 4K Pre-Burst: 30 frames/sec, approx. 2 sec

Motion Picture Recording*1			
	MP4	[4K] 3840x2160	4K/30p: 100Mbps 4K/25p: 100Mbps 4K/24p: 100Mbps
		[Full HD] 1920x1080	FHD/60p: 28Mbps FHD/50p: 28Mbps FHD/30p: 20Mbps FHD/25p: 20Mbps
		[HD] 1280x720	HD/30p: 10Mbps HD/25p: 10Mbps
	AVCHD	[Full HD] 1920x1080	FHD/50p: 28Mbps, 50p recording FHD/50i: 17Mbps, 50i recording FHD/25p: 24Mbps, 50i recording (sensor output is 25fps) FHD/24p: 24Mbps, 24p recording

Continuous Recordable Time (Motion Picture)*1	MP4	4K/30p, 4K/25p: Approx. 70 min FHD/60p, FHD/50p: Approx. 80 min
	AVCHD	FHD/50p: Approx. 90 min (rear monitor), 80 min (LVF) FHD/50i: Approx. 90 min (rear monitor), 80 min (LVF)
Actual Recordable Time (Motion Picture)*1	MP4	4K/30p, 4K/25p: Approx. 35 min FHD/60p, FHD/50p: Approx. 40 min
	AVCHD	FHD/50p: Approx. 45 min (rear monitor), 40 min (LVF) FHD/50i: Approx. 45 min (rear monitor), 40 min (LVF)
Exposure		Program AE, Aperture Priority AE, Shutter Priority AE, Manual
Exposure Compensation		1/3 EV step, +/-5 EV (when set with the control ring / touch menu) (+/-3 EV for motion picture / 4K PHOTO), +/-3 EV (when set with the dial)
Light Metering		Intelligent Multiple / Center Weighted / Spot
ISO Sensitivity	Still Image	Auto / i.ISO / 100* / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 (Changeable to 1/3 EV step) *Extended ISO
	Motion Picture	Auto / 100* / 200 / 400 / 800 / 1600 / 3200 / 6400 (Changeable to 1/3 EV step) *Extended ISO
Still Picture Recording	4:3	4736x3552 (17M) (L) / 3360x2520 (8.5M) (M) / 2368x1776 (4M) (S)
	3:2	4928x3288 (16M) (L) / 3504x2336 (8M) (M) / 2496x1664 (4M) (S)
	16:9	5152x2904 (15M) (L) / 3840x2160 (8M) (M) / 1920x1080 (2M) (S)
	1:1	3552x3552 (12.5M) (L) / 2528x2528 (6.5M) (M) / 1776x1776 (3M) (S)
Image Quality		RAW+Fine / RAW+Standard / Fine / Standard
White Balance		AWB / AWBc / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1, 2, 3, 4 / Color Temperature Setting (2-axis adjustable)
Photo Style		Standard, Vivid, Natural, Monochrome, L. Monochrome, L. Monochrome D, Scenery, Portrait, Custom
Picture Adjustment		Contrast, Sharpness, Noise Reduction, Saturation*, Color Tone**, Filter Effect**, Grain Effect** *Except for Monochrome mode. **For Monochrome mode only.
Bracket	Aspect Bracket	Yes
	AE Bracket	3, 5, 7 images in 1/3, 2/3 or 1 EV step, Max. +/-3 EV
	Aperture Bracket	3, 5 or all positions in 1 EV step
	Focus Bracket	1 to 999 images, focus steps can be set in 10 levels
	WB Bracket	3 images in blue/amber axis or in magenta/green axis
Wi-Fi		Yes
Bluetooth		Bluetooth® v4.2 (Bluetooth Low Energy (BLE))
Edit	Retouch	Clear Retouch
	Image Composition	Light Composition, Sequence Composition
	Creating a Video	Time Lapse Video, Stop Motion Video
	RAW Processing	Yes
Direct Print		PictBridge compatible
Viewfinder		0.38'' LVF (Live View Finder) (2,760k dots equiv.), Field of view: Approx. 100% Magnification: Approx. 0.7x (35 mm camera equivalent)
LCD Monitor		3.0'' (7.5cm) TFT Screen LCD Display (1240k dots) Static Touch Control, Field of View: Approx. 100%, AF Coating
Flash (Bundled)		GN7 ISO100 · m / GN10 ISO200 · m 0.6 - 14.1m (Wide / ISO Auto), 0.3 - 8.5m (Tele / ISO Auto)
Recording Media		SD Memory Card, SDHC Memory Card, SDXC Memory Card (Compatible with UHS-I UHS Speed Class 3 standard SDHC / SDXC Memory Cards)
Microphone / Speaker		Stereo / Mono
Interface		microHDMI typeD*2, USB2.0 Micro-B
Power		Li-ion Battery Pack (7.2V, 1025mAh, 7.4 Wh) (Included) USB power charging
Battery Life (Approx.)		Approx. 340 images (rear monitor), 270 images (LVF), 320 images (LVF eco30fps setting) (when not using flash) Approx. 300 images (rear monitor), 240 images (LVF), 280 images (LVF eco30fps setting) (when using flash, CIPA Standard)*3
Standard Accessories		Battery Pack, AC Adaptor, USB Cable, Lens Cap, Lens Cap String, Hot Shoe Cover, External Flash, Flash Storage Bag, Shoulder Strap

- Operating Instructions for advanced features is available for downloaded at Panasonic LUMIX Customer Support Site using PC, smartphone or tablet connected to the Internet.
- The software to edit and playback images on computer is not bundled with this camera. To do this, PHOTOfunSTUDIO is available for download at Panasonic website using computer connected to the Internet. http://panasonic.jp/support/global/cs/soft/download/d_pfs10ae.html (For Windows).
- The software to process RAW file on computer is not bundled with this camera. To do this, SILKYPIX Developer Studio is available for download at Ichikawa Soft Laboratory's website using computer connected to the Internet. http://www.isl.co.jp/SILKYPIX/english/p/ (For Windows / Mac)

*1 Use a card with SD Speed Class with "Class 4" or higher when recording motion pictures. Use a card with SD Speed Class with "UHS-I Speed Class 3 (U3)" when recording motion pictures with [MP4] in [4K] or [4K PHOTO]. (SD speed class is the speed standard regarding continuous writing.) Recording stops when the continuous recording time exceeds 29 minutes and 59 seconds with [AVCHD]. Recording stops when the continuous recording time exceeds 15 minutes with [MP4] in [4K]. When using an SDHC memory card: You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately. When using an SDXC memory card: You can record a motion picture in a single file. Recording stops when the continuous recording time exceeds 29 minutes and 59 seconds with [MP4] in [FHD] and [HD]. You can continue recording without interruption even if the file size exceeds 4 GB, but the motion picture file will be divided and recorded/played back separately. These are standard times taken at a temperature of 23 ˚C (73.4 ˚F) and a humidity of 50%RH. The time available for recording varies depending on the environment, the interval between recordings, and the manner of use. Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON] / [OFF], starting/stopping recording, zoom operation etc.
*2 For [4K] video output, use an HDMI cable that has the HDMI logo on it, and that is described as"4K compatible".
*3 Recording conditions by CIPA standard. Temperature: 23 ˚C (73.4 ˚F) / Humidity: 50%RH when monitor is on. Using a Panasonic SDHC Memory Card. Using the supplied battery. Starting recording 30 seconds after the camera is turned on (When the optical image stabilizer function is set to [ON].). Recording once every 30 seconds with full flash every second recording. Rotating the zoom lever from Tele to Wide or vice versa in every recording. The number of recordable pictures varies depending on the recording interval time. If the recording interval time becomes longer, the number of recordable pictures decreases. CIPA is an abbreviation of [Camera & Imaging Products Association].