

Concerning the DMC-LX3 Firmware Update

The following functions have been added or changed starting with firmware version 2.0.

Read along with the operating instructions for the camera.

- The firmware version can be checked from the [VERSION DISP.] of the [SETUP] menu.

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Recording function with an aspect ratio of 1:1 has been added.

[1:1 ASPECT] has been added to [REC] menu.

You can take pictures with an aspect ratio of 1:1 (square aspect ratio) to match the printing or playback method.

1 Select [1:1 ASPECT] on the [REC] menu and then press ►.



2 Press ▲/▼ to select [ON] and then press [MENU/SET].

- It can be set regardless of the position of the aspect ratio selector switch.

3 Press [MENU/SET] to close the menu.

- You can also press the shutter button halfway to close the menu.

Note










- This cannot be used in Intelligent Auto Mode or Motion Picture Mode.
- To cancel the setting, set the [1:1 ASPECT] to [OFF], or switch the aspect ratio selector switch. It will be set to the aspect ratio of the position of the aspect ratio selector switch.
- Settings for the number of recording pixels will be as follows:
 - 75M (7.5M) [2736×2736 pixels], 55M (5.5M) [2304×2304 pixels], 35M (3.5M) [1920×1920 pixels], 25M (2.5M) [1536×1536 pixels]
- Picture size will be set to 2.5M (1536×1536 pixels) in the following scene modes. [QUALITY] is automatically fixed to [s.s.]:
 - [HIGH SENS.]/[HI-SPEED BURST]/[FLASH BURST]/[PIN HOLE]/[FILM GRAIN]
- Aspect ratio for the following functions will also be set to [1:1]:
 - RAW recording/AF area selection/[MULTI EXPO.]/[GUIDE LINE]/[MF ASSIST]
- [1:1 ASPECT] has been added to the [Fn BUTTON SET] of the [SETUP] menu.
- When the [1:1 ASPECT] is set to [ON], pictures with an aspect ratio of [1:1] can also be taken with the [MULTI ASPECT] recording.
- It will automatically take 4 pictures with aspect ratios of [4:3]/[3:2]/[16:9]/[1:1] when the shutter button is pressed. Combinations of the picture size will be as follows:









[4:3]	→	[3:2]	→	[16:9]	→	[1:1]
10M		9.5M		9M		7.5M
7M		6.5M		6M		5.5M
5M		4.5M		4.5M		3.5M
3M		3M		2.5M		2.5M

- If you set [TEXT STAMP] for a picture with a picture size larger than 25M (1:1), the picture size will become smaller as shown below.
 - 75M/55M/35M → 25M (1:1)
- Pictures with an aspect ratio of [1:1] can also be resized when [RESIZE] is set.
- Aspect ratio can be converted to [1:1] as well when the [ASPECT CONV.] is set.

■ Number of recordable pictures

- The number of recordable pictures is an approximation. (This varies depending on the recording conditions and the type of card.)
- The number of recordable pictures will vary depending on the subject.

Aspect ratio		1:1								
Picture size		7.5M  (2736×2736)				5.5M  (2304×2304)				
Quality		RAW								
Built-in Memory (Approx. 50 MB)		5	3	4	13	26	4	4	18	37
Card	32 MB	3	2	2	7	15	2	2	10	21
	64 MB	6	4	5	15	32	4	5	22	45
	128 MB	12	9	10	33	65	9	11	46	92
	256 MB	25	17	20	65	125	19	22	91	180
	512 MB	49	35	41	125	250	39	43	180	350
	1 GB	100	72	83	250	510	78	87	360	710
	2 GB	200	145	165	520	1020	155	175	730	1420
	4 GB	390	280	330	1030	2010	310	340	1450	2800
	8 GB	810	580	670	2090	4090	630	700	2950	5710
	16 GB	1630	1170	1360	4220	8230	1280	1420	5950	11490
32 GB	3270	2360	2730	8470	16520	2560	2860	11940	23050	

Aspect ratio		1:1							
Picture size		3.5M  (1920×1920)				2.5M  (1536×1536)			
Quality		RAW				RAW			
Built-in Memory (Approx. 50 MB)		4	4	27	53	4	4	42	82
Card	32 MB	2	2	15	30	2	2	24	47
	64 MB	5	5	32	63	5	5	50	98
	128 MB	10	11	66	125	11	12	100	200
	256 MB	21	22	130	250	22	23	200	390
	512 MB	41	45	250	500	44	46	400	770
	1 GB	83	90	520	1000	88	93	800	1540
	2 GB	165	180	1040	1980	180	190	1610	3070
	4 GB	330	360	2040	3890	350	370	3170	6030
	8 GB	670	730	4160	7920	720	760	6460	12280
	16 GB	1360	1470	8370	15940	1440	1520	13000	24700
32 GB	2730	2960	16800	31970	2900	3060	26080	49560	

A white balance (WB) bracket function has been added.

Bracket setting is performed based on the adjustment values for the white balance fine adjustment, and 3 pictures with different colors are automatically recorded when the shutter button is pressed once.

1 Select [WHITE BALANCE] on the [REC] menu and then press **▶**.

2 Press **▲/▼** to select the item and then press **▶**.

- Press **▶** again if [WB], [WB], or [SET] is selected.
- The white balance fine adjustment screen is displayed.

3 Press [DISPLAY] to switch to the white balance bracket setting screen.

- It will return to the white balance fine adjustment screen when the [DISPLAY] is pressed again.



4 Press **▲/▼/◀/▶** to set the bracket setting.

▲/▼: Vertical (G+ to M-)

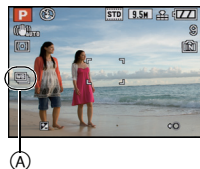
◀/▶: Horizontal (A to B)

- Position of the bracket can be set only for one direction, in either the horizontal direction or vertical direction.

5 Press [MENU/SET].

Note

- [WB] A is displayed in the LCD monitor when it is set.
- Position of the bracket cannot be set exceeding the limit of the white balance fine adjustment (limit value).
- When the white balance fine adjustment is performed after the setting of the bracket, pictures will be taken with a bracket with the changed adjustment value as the center value.
- You will only hear the shutter sound once.
- The white balance bracket setting is canceled when the power has been turned off.
- White balance bracket will not work when the quality is set to [RAW], [RAW], or [RAW].
- This cannot be used in Intelligent Auto Mode or Motion Picture Mode.
- This cannot be used in the scene modes that cannot perform white balance fine adjustment.
- The following functions cannot be used simultaneously:
 - [AUTO BRACKET]/[MULTI ASPECT]/[BURST SHOOTING]/[MULTI FILM]/[MULTI EXPO.]/[AUDIO REC.]



The Exposure Compensation and the Auto Bracket Compensation can now be set up to ± 3 EV.

The Exposure Compensation and the Auto Bracket Compensation can now be set up to ± 3 EV.



Position of the guide line can now be set.

[POSITION] has been added to the [GUIDE LINE] of the [SETUP] menu. Position of the guide line can be set.

[GUIDE LINE]	[POSITION]: [OFF]/[ON]
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- 1 Set the [POSITION] for the [GUIDE LINE] in the [SETUP] menu to [ON].
- 2 Press $\blacktriangle/\blacktriangledown/\blacktriangleleft/\blacktriangleright$ to set the position.
 - The guide line returns to the center when $\left[\frac{\square}{\square}\right]$ is pressed.

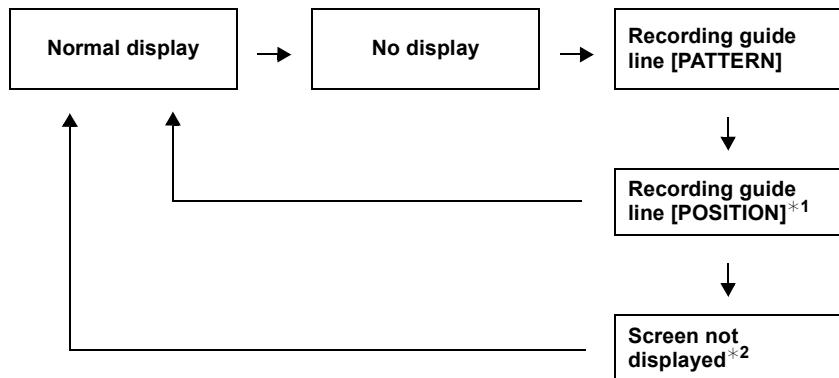


- 3 Set the position by pressing [MENU/SET].

■ About the LCD Monitor

Press [DISPLAY] to change.


In Recording Mode



- *1 This can be switched only when the [POSITION] for the [GUIDE LINE] in the [SETUP] menu is set to [ON].
- *2 This can be switched only when the [EXT. VIEWFINDER] in the [REC] menu is set to [ON].

[LENS RESUME] has been added to the [SETUP] menu.

It is possible to memorize the zoom position and the MF (manual focus) position when the power is switched [OFF].

 [LENS RESUME]	[ZOOM RESUME]: [OFF]/[ON] It will automatically return to the zoom position when the power was switched [OFF], next time you turn the power [ON].
	[MF RESUME]: [OFF]/[ON] It will memorize the MF position set with the manual focus. It will resume the memorized manual focus position when you return to Manual Focus Recording. MF position will be memorized in the following cases: <ul style="list-style-type: none">– Turning the camera off– When the focus selector switch is switched to anything but [MF]– When switched to Playback Mode

- Zoom position will be set all the way to wide when the [ZOOM RESUME] is set to [OFF].
- MF position will be set to ∞ (infinity) when the [MF RESUME] is set to [OFF].
- Depending on the recording conditions, the memorized MF positions and resumed MF positions might be different.

[HIGH DYNAMIC] has been added to scene mode.

You can use this mode to easily record pictures in which bright and dark regions of the scene are expressed with suitable brightness when looking into the sun, at night, or in similar circumstances.


[HIGH DYNAMIC]

■ Setting the effect

1 Press ▲/▼ to select the effect to use, and then press [MENU/SET].

- It can be set from the quick menu.




[]: Natural color effect

[]: Eye-catching effect which emphasises contrast and color

[]: Black and white effect

2 Take pictures.






Note

- ISO sensitivity is fixed to [ISO400].
- RAW pictures cannot be recorded.
- Compensation effect may not be achieved depending on the conditions.
- The shutter may remain closed (max. about 8 sec.) after taking the picture because of signal processing. This is not a malfunction.
- The focus range is 1 cm (0.04 feet) (Wide)/30 cm (0.99 feet) (Tele) to ∞.
- Noise on the LCD monitor may show up more than in normal recording conditions due to compensation of the shadowy area, making it brighter.
- Only [] and [] for flash can be set.
- You cannot use Burst Mode and [] in [AF MODE].

It is now possible to record the user's name in the picture.

[USER'S NAME REC] has been added to the [SETUP] menu.

User's name can be recorded in the picture while taking the picture. The user's name recorded in the picture can be confirmed using the "PHOTOfunSTUDIO-viewer-" software in the CD-ROM (supplied).

 [USER'S NAME REC]	[OFF]: It will not record the user's name. [ON]: It will record the user's name. [SET]: It will register (change) the user's name.
	<p>To register (change) the user's name</p> <p>1 Press ▲/▼/◀/▶ to select text and then press [MENU/SET] to register.</p> <ul style="list-style-type: none">Characters that can be entered are   (Roman alphabet) and  (symbols/numbers). Maximum number of characters that can be entered is 64 characters.Press [DISPLAY] to switch the input characters.Operate the zoom lever to move the position of the input cursor.To enter a blank, move the cursor to [SPACE] or to delete an entered character, move the cursor to [DELETE], and press [MENU/SET].To stop editing at any time during text entry, press . <p>2 Press ▲/▼/◀/▶ to move the cursor to [EXIT] and then press [MENU/SET] to end text input.</p>



- User's name cannot be recorded in RAW pictures.
- User's name cannot be recorded in pictures already taken.
- Recorded user's names cannot be confirmed using the camera.

[MENU RESUME] has been added to the [SETUP] menu.

The last operated menu position is saved even if the camera is turned off.

 [MENU RESUME]	[OFF]/[ON]
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It is now possible to display the highlights in Playback Mode.






Area with a whiteout condition is displayed by flashing in black and white in Playback Mode as well when [HIGHLIGHT] in the [SETUP] menu is set to [ON].

Note

- This will not work in Playback Zoom, Dual Play, Slide Show, Motion Picture Playback, Still Picture Playback With Audio, Calendar Search, and Multi Playback.

Digital red-eye removal has been modified.

[RED-EYE REMOVAL] has been added to the [REC] menu. Setting for the [RED-EYE REMOVAL] can be set to [ON]/[OFF] depending on your preference.

- 1 Select [RED-EYE REMOVAL] on the [REC] menu and then press ►.
- 2 Press ▲/▼ to select [ON] and then press [MENU/SET].
 - [] is displayed in the red-eye reduction icon in the flash setting.
- 3 Set the flash to [], [], or [].
 - When you take a picture with a flash and face detection with [] set in [AF MODE], the picture data will be corrected by automatically detecting the red-eye in the recognized face.

Note

- It may not be able to correct the red-eye depending on the recording conditions.
- [RED-EYE REMOVAL] will be set to [ON] in Intelligent Auto Mode.
- Digital red-eye removal will not function when this is set to [OFF].












Items saved in the custom set have changed.

Menus and functions saved in the custom set are as follows:

[REC] menu/Recording functions			[SETUP] menu
• [FILM MODE]	• [AF MODE]	• [AUDIO REC.]	• [Fn BUTTON SET]
• [PICTURE SIZE]	• [PRE AF]	• [AF ASSIST LAMP]	• [GUIDE LINE]
• [QUALITY]	• [AF/AE LOCK]	• [FLASH SYNCHRO]	• [HISTOGRAM]
• [INTELLIGENT ISO]	• [I. EXPOSURE]	• [RED-EYE REMOVAL]	• [HIGHLIGHT]
• [SENSITIVITY]	• [DIGITAL ZOOM]	• [EXT. VIEWFINDER]	• [LENS RESUME]
• [ISO LIMIT SET]	• [1:1 ASPECT]	• [CONVERSION]	• [MF ASSIST]
• [WHITE BALANCE]	• [STABILIZER]	• Recording Mode	
• [METERING MODE]	• [MIN. SHTR SPEED]	• Exposure Compensation	

Display of [COPY] in the [PLAYBACK] menu has changed.

Display has changed as follows:

- [] [COPY] → [] [] [COPY]
- [] → [] []
- [] [] → [] [] []



Message display has been added.

[INSERT SD CARD AGAIN]/[TRY ANOTHER CARD]

Perform the following when these messages are displayed.

- An error has occurred accessing the card.
 - Insert the card again.
 - Insert a different card.