

6 Service Mode

6.1. Error Code Memory Function

1. General description

This unit is equipped with history of error code memory function, and can be memorized 16 error codes in sequence from the latest. When the error is occurred more than 16, the oldest error is overwritten in sequence.

The error code is not memorized when the power supply is shut down forcibly.

(i.e., when the unit is powered on by the battery, the battery is pulled out)

The error code is memorized to Flash-ROM when the unit has just before powered off.

2. How to display

The error code can be displayed by ordering the following procedure:

• Preparation

Attach the fully charged Battery, and insert the memory card.

• Step 1. The temporary cancellation of "INITIAL SETTINGS":

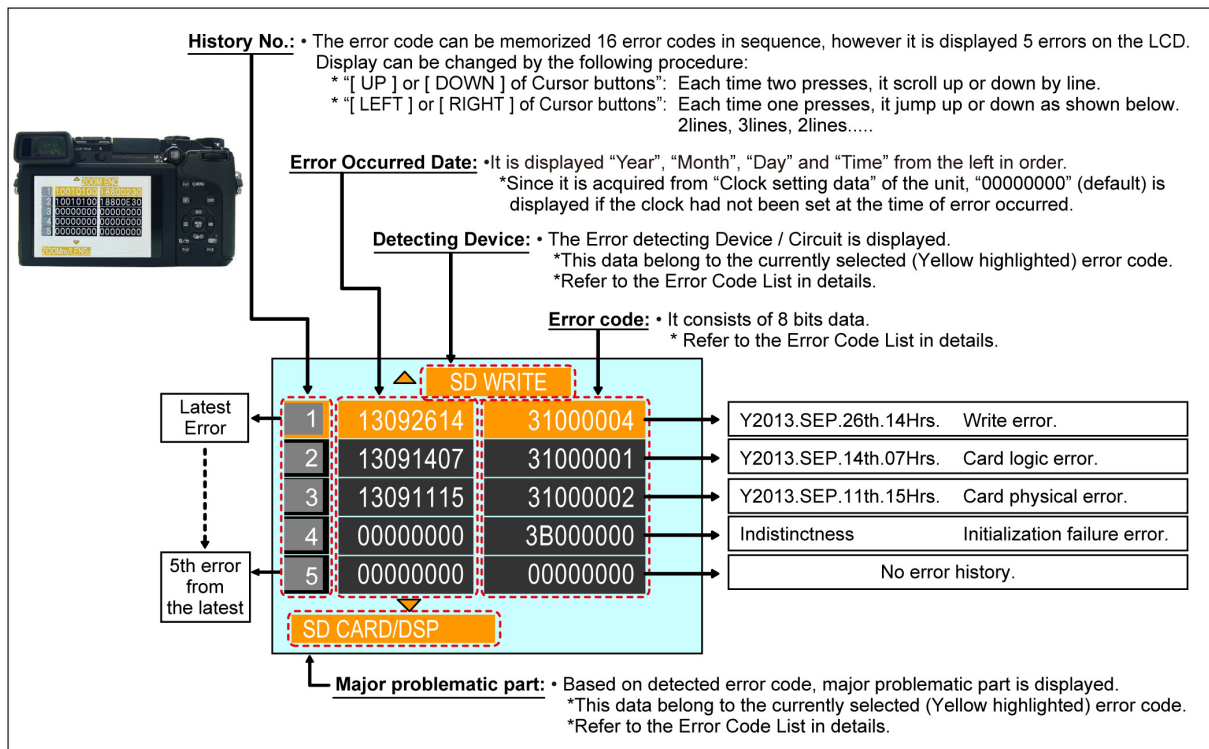
While pressing [DISP.] button, [AF/AE LOCK] button and "[RIGHT] of Cursor buttons" simultaneously, turn the Power on.

• Step 2. Execute the error code display mode:

Press [MENU/SET] button, "[LEFT] of Cursor buttons" and [AF/AE LOCK] button simultaneously with the step 1 condition.

The display is changed as shown below when the above buttons are pressed simultaneously.

Normal display → Error code display → Camera information display → Normal display →



Example of Error Code Display

Error Code List

The error code consists of 8 bit data and it shows the following information.

Attribute	Main item	Sub item	Error code		Contents	Error Indication		
			High 4 bits	Low 4 bits		Detecting device	Problematic Part/Circuit	
HARD	BIS	In Body Image Stabilization	20*0	0010	HP High detect error (BIS X axis HP encoder always detects High, and not becomes Low) (Mount Box Unit, IC7001)	(No indication)	(No indication)	
				0020	HP Low detect error (BIS X axis HP encoder always detects Low, and not becomes High) (Mount Box Unit, IC7001)			
				0030	HP High detect error (BIS Y axis HP encoder always detects High, and not becomes Low) (Mount Box Unit, IC7002)			
				0040	HP Low detect error (BIS Y axis HP encoder always detects Low, and not becomes High) (Mount Box Unit, IC7002)			
				0050	BIS GYRO (X) error (Mount Box Unit, IC7201 on Front Case Unit)			
				0060	BIS GYRO (Y) error (Mount Box Unit, IC7201 on Front Case Unit)			
				0070	BIS GYRO communication error (Mount Box Unit, IC7201 on Front Case Unit)			
	FLASH	Flash	28*0	0000	Flash charging capacitor did not been fully charged within 20 seconds	STRB CHG	STRB PCB/ FPC	
	FLASH ROM	Data Area	2B*0	0001	Flash ROM data reading error is detected when the unit turns ON	FROM RE	FROM	
				0002	Flash ROM data writing error is detected when the unit turns OFF	FROM WR	FROM	
		Program Area		0005	Firmware update error	(No indication)	(No indication)	
		SYSTEM IC	Initialization	2C*0	0001	Clock IC initialization failure error	SYS INIT	MAIN PCB
	SOFT	CPU	Reset	30*0	0001 0007	System error (NMI reset)	NMI RST	MAIN PCB
Recording Media		Memory card	31*0	0001	Memory card logic error Memory card format error When it is detected, [MEMORY CARD ERROR FORMAT THIS CARD?] is displayed on the screen	SD CARD	SD CARD/DSP	
				0002	Memory card physical error During formatting the memory card, there is no response from the memory card If the mini-SD memory card is used, check the SD memory card adaptor			
				0004	Memory card writing error Check the memory card. It might be damage one.	SD WRITE		
Lens		Communication	3C11 3CF0	****	Lens communication error	ZOOM	ZOOMm/ LENSu	
Camera		System	3B*0	0000	Initialization failure error	INIT	(No indication)	
				3E*0	0001	Exposure charging operation failure (Mount Box Unit)	(No indication)	(No indication)
			0002		Failure of the returning operation to the home position (Mount Box Unit)			
			0003		Failure of the mecha shutter sensor (Mount Box Unit)			
			0004		Failure of the mecha shutter sensor (Mount Box Unit, IC9901, Q9901)			
			0005	Failure of the mecha shutter sensor (Mount Box Unit, IC9901, Q9901)				
Recording		Motion Image Recording	3F*0	0001	File time out error in recording motion image			
				0002	File data cue send error in recording motion image			
Wi-Fi			3211 3214	0001 FFFF	Wi-Fi related errors: *Generally, above are unable to specified the, which cannot be used for malfunction diagnosis.			

Important notice about “Error Code List”

About “*” indication:

The third digit from the left is different as follows.

- In case of 0 (example: 2B001000)

When the third digit from the left shows “0”, this error occurred under the condition of INITIAL SETTINGS has been completed.

It means that this error is occurred basically at user side.

- In case of 8 (example: 2B801000)

When the third digit from the left shows “8”, this error occurred under the condition of INITIAL SETTINGS has been released.

(Example; Factory assembling-line before unit shipment, Service mode etc.)

It means that this error is occurred at service side.

• Step 3. How to exit from Error Code display mode:

Simply, turn the power off. (Since Error Code display mode is executed under the condition of temporary cancellation of “INITIAL SETTINGS”, it wake up with normal condition when turn off the power.)

NOTE:

The error code can not be initialized.