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PRECAUTION

PRECAUTION

Check the followings and then Install & Use Digimax 35 MP3, prior to install at PC.

※ First, insert the provided CD into pc.

If the camera connected with PC without installing software, an error can be occurred during install. Install Digimax 35 MP3 and then connect with the camera.

Install the Drive and then do ©-maxManager by language.

※ If no sound card in PC or not installed properly, the provided program will not operate properly(video capture). First check the operation of sound card.

(Checking Method)

Run Start→Program→Aux. Program→Entertainment→Recorder and then check if recorded and played normally.

※ Microsoft Netmeeting can be affected by Internet Communication Line. Especially, video and voice may not be transmitted and received properly if one of the followings occurred.

- If using the Modem
- If using the LAN network with firewall installed
- If using leased-line with movable or private IP Address

※ If using another cable of the USB cable supplied when purchahsing, image device can not be founded when running video capture. Must use the supplied USB cable. (If using another cable, use the amplifier cable within 2 m)

※ Function can be changed into Digital photographing(-)MP3 Mode when pressing and holding Mode Button for about 2 seconds.

※ Image Size can be changed from initial Hi to Lo when pressing Mode button.

※ Image Deletion can be changed in the sequence of Hi → Lo → DEL LAST → DEL ALL if pressing Mode button. Select DEL LAST or DEL ALL and press ENTER button.

I . SPECIFICATIONS

1. Specifications

Image Sensor	1/3" CMOS Seneor, Approximately 310,000 pixels
Lens	Focal length : f= 5.8mm Aperture : F 2.3
Viewfinder	Optical Viewfinder
Resolution	640 X 480 (Hi mode) 320 X 240 (Lo mode)
Color	24bit (16.7million colour)
Storage	Internal 2MB memory
Focus distance	USB PC Camera (40 cm ~ Infinity) Digital camera (1.0 M ~ Infinity)
Flash	Off / Automatic Flash Selectable
Flash Range	1.3m ~ 2.0m
Shutter Speed	1/10 ~ 1/8000 sec
Exposure	Auto
White Balance	Auto
Auto Power off	2 min
Image Delete	Last image deletion / All deletion
PC interface	Digital Output Connector (USB Port and RS232C)
PC CAMER	5 fps CIF (320 X 240) 15 fps QCIF (160 X 120)
MP3 PLAYER	Music Playing Mode/Volume Control Mode/Music Select Mode/Music Delete Mode
S/N ratio	60dB
Headphone output	8mW
Output Frequency range	20Hz ~ 16Hz
Weight	120g
Dimensions	92(W) X 65(H) X 36(D)mm
Dimensions	Compact Flash Card (Optional) AC Power Adapter (3.3V, 1.5A:Optional)

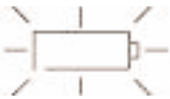
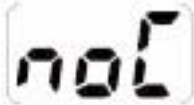
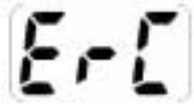



2. System requirment

- Microsoft Windows 98 / Windows 2000
- More than 32MB RAM (64MB is recommended)
- Over Pentium 166MHZ processor (More than Pentium II is recommended)
- At least 40MB of hard disk drive
- USB or Serial connector , CD-ROM Drive
- Over SVGA display(800 X 600) with 16Bit colour
- Internet Web Browser

II . FAQs

1. CHECK THE CAMERA BEFORE USING

1. Error message

LCD Status Panel	Warning	Step
	Low battery power.	The camera beeps twice as warning signal. Replace the batteries
	The Compact Flash card is not inserted.	Insert the Compact Flash card.
	The Compact Flash card is corrupt/damaged or has a different format.	Either format the card or replace it with a new one.
	The Compact Flash card memory is full.	insert a new Compact Flash card or delete some files.
	The object and background are badly light.	Set the Flash mode to delete Automatic Flash Mode.
	Flash is now charging.	Wait until the Flash is fully charged.

2. Available memory card : 4,8,16,32,64MB

3. Flash

The Digimax 35 / MP3 has 2 Flash Modes. Flash off will always appear as the first flash mode. When you press the Flash button just below the top LCD panel, the flash mode will alternate between Flash Off and Auto Flash.

If the object is in dim light, "Lob " will blink and the camera will sound a warning signal by beeping twice. .

4. Battery

- . If the camera is not being used for a long period of time please remove the batteries.
- . This will extend the battery life and prevent damage from a battery leak or corrosion.
- . Avoid using Manganese batteries. Only use the high density alkaline batteries.
- . Do not mix old and new batteries.
- . Low temperatures (below) may reduce the output efficiency of the batteries, shortening the operating time of the camera.
- . When not in use, please turn the camera off to prevent overheating.
- . Usage of the wrong batteries can cause damage to the camera. Please insert the batteries correctly using, the +/- polarities.
- . Keep the camera warm when using in low temperatures. The reduced efficiency of batteries will usually recover in normal temperatures. When inserting the batteries, please make sure that the camera is turned off.
- . Please prepare the extra batteries for travel, ceremony and using the camera where external temperature is very low.

※ Auto power off

Digimax 35 / MP3 has Auto Power Off function, and shuts down automatically when not used for 2 minutes.

※ AC Adaptor

Please remove the AC Power Adaptor from the camera when not in use for a long time. The Digimax 35 / MP3 is not equipped with an Automatic Power Off function when used with an AC power adapter.

2. Photographing

1) Memory card not recognized

An error message "ErC" will appear on the LCD status panel if a memory card is inserted without being initialized.

To initialize the card, use "Del All" in mode functions.

Initializing the card allows data to be recorded.

2) Photographing does not operate

- . Battery consumption. () -> 새 Replace new battery or use adaptor.
- . Card not inserted. () -> Insert card.
- . Card recording full. () -> Insert new card.
- . Card broken or different format of compact flash card. () -> Use compact flash card supplied separately. (Other products might be different in format).
- . Photographed object has a low brightness. () -> Select Auto Flash Mode.

3) The Flash will not fire.

The flash is off. The objects and background are too bright. -> Set to Automatic Flash mode.

4) What does mean the Hi and Lo.

Hi mode : This mode sets the image size by VGA (640x480).

Lo mode : This mode sets the image size by CIF (320x240).

3. Listening to MP3 music

1) What is MP3

MP3 is a part of file extensions generally used such as .HWP, .WAV, .TXT in computer. Exactly speaking, it is the abbreviation of 'MPEG Audio Layer-3'.

MPEG is Motion Pictures Expert Group. That is to say, as MPEG, the expert established technical standard; in accordance with the specification for compressing, sending, and restoring video and audio signals under International Standard Organization such as ISO and IEC.

MP3 is called "MPEG Audio Layer-3", where Layer-3 means version up in the order of Layer-1, Layer-2, and Layer-3. In general, 1 to 4 of compression rate for Layer-1, between 1 to 6 1 to 8 for Layer-2, and between 1 to 10 and 1 to 12 for Layer-3. Layer-3 is called MP3 and widely used because of having the highest compression rate.

2) Nonconvertible to MP3 mode from Camera mode

There was MP3 music file saved in memory card or UPLOAD error. Format flash memory card and then upload MP3 file again.

3) Music sounds like a rupture

Some MP3 file may not support specific bandwidth. MP3 file has a bandwidth between 128 kbps and 192 kbps, but a rupture can be occurred from 160 kbps in upload.

If more than 160 kbps, there is no error when uploading one by one, but it sounds like a rupture when uploading a lot of music simultaneously.

4) Noise in music

If there being noise in every music, an error can be occurred in headphone. Replace headphone.

If there being noise in specific music, it means the error of MP3 file itself. Upload again and upload another music.

5) Auto Pass to next music Disabled

If uploading one music, replay the same music continuously. UPLOAD not completed normally. Upload again.

◆ @-maxManager

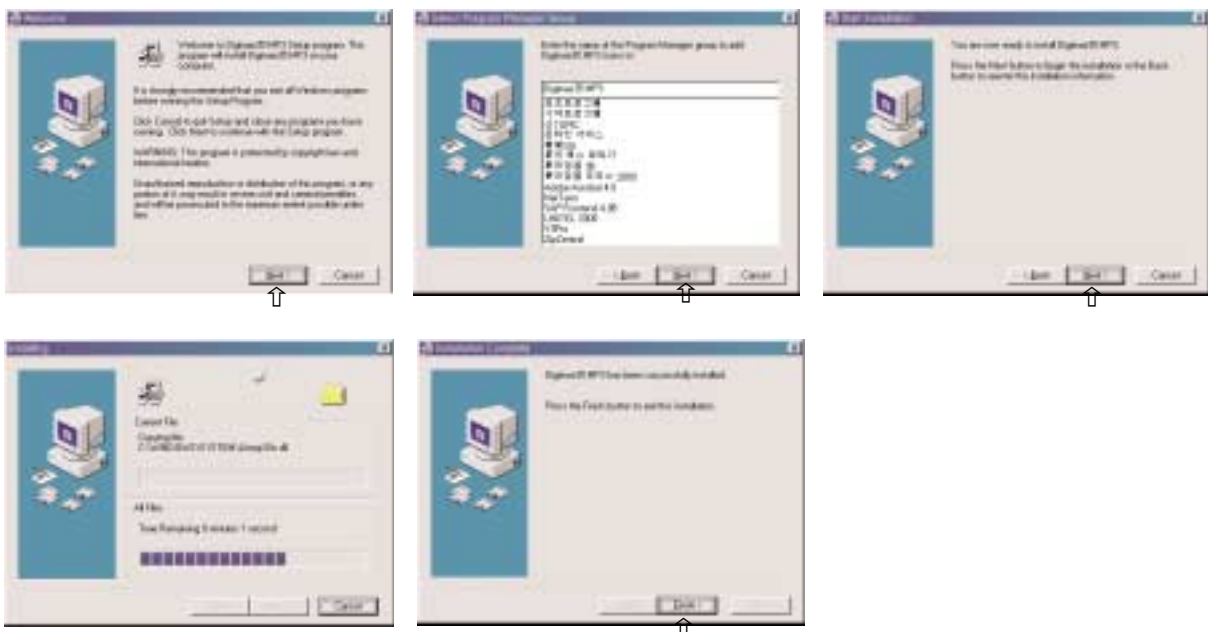
1. Digimax 35 MP3 Install

a. Insert the CD into the CD-ROM Drive and the following screen will appear on the PC screen.



Please install the Digimax 35 / MP3 driver by click "Driver Installation"

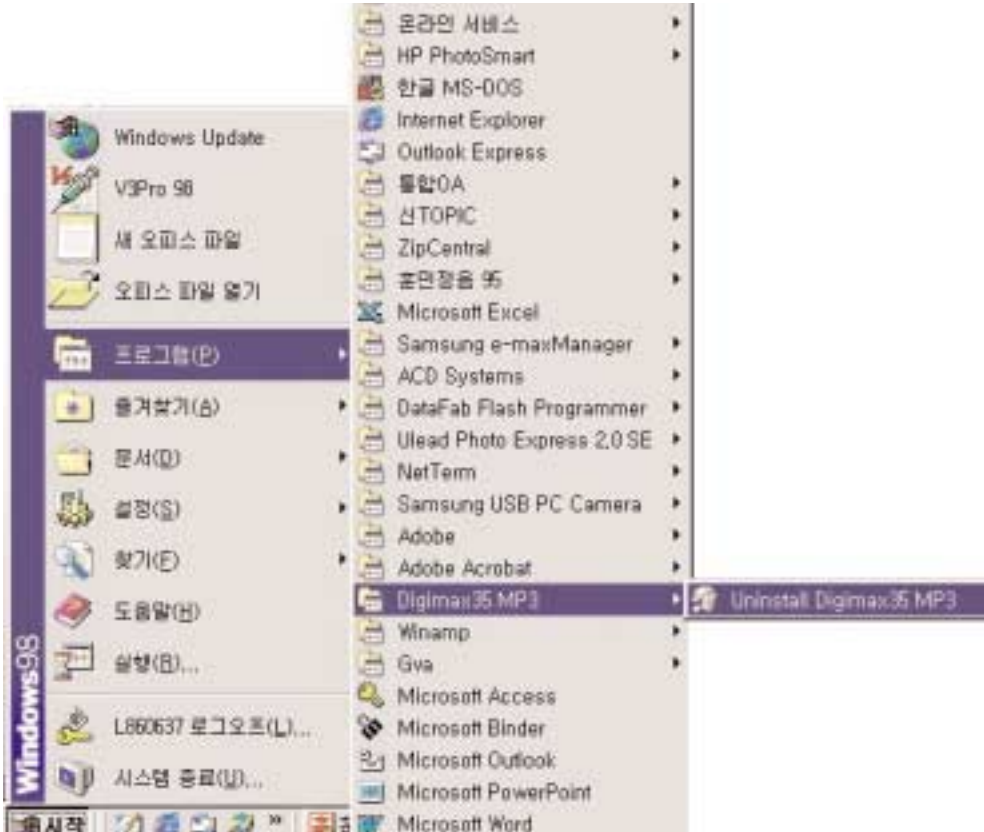
b. Press the next button, it will be install automatically.



II . FAQs

c. Digimax 35 MP3 Uninstall

Start -> Program -> Digimax 35 MP3 -> Uninstall Digimax 35 MP3



2. e-maxManager Install

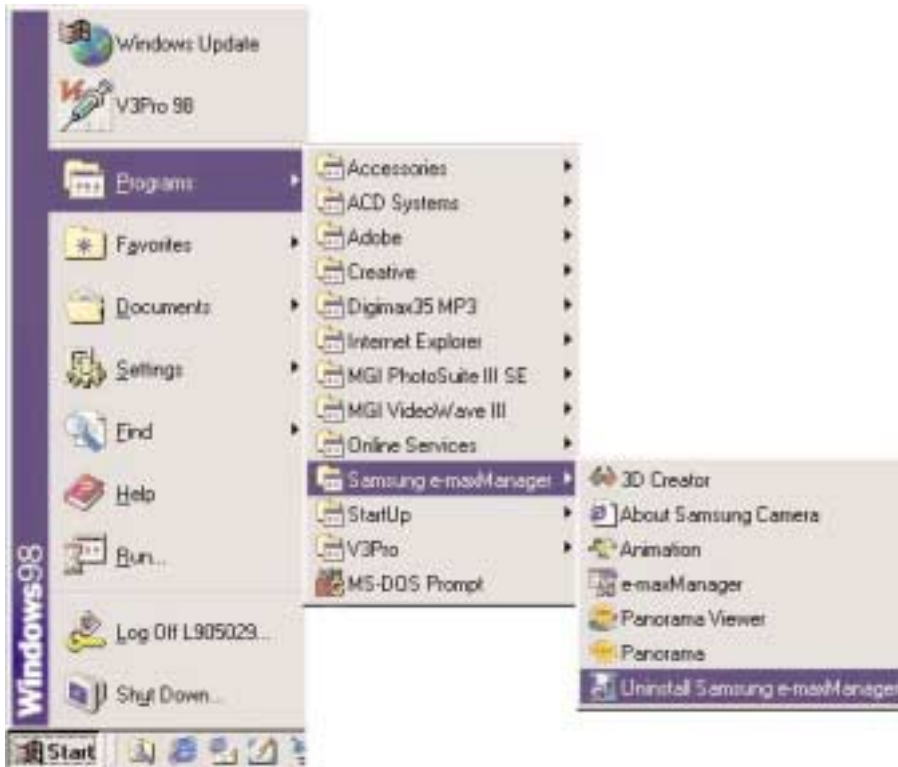
a. Please install the e-maxManager by selecting the language you want to install.



II . FAQs

b. e-maxManager Uninstall

Start -> Program -> Digimax 35 MP3 -> Uninstall Digimax 35 MP3 selected
It will remove the all application automatically.



3. Connect to PC

● USB input / output port

Image files and MP3 files can be exchanged between a PC and the Digimax 35 / MP3. The USB port will allow the camera to be used as a PC Camera to download images or to upload files to the Digimax 35 / MP3. The PC should be installed using Windows 98 / Windows 2000.



1. Install Digimax 35 / MP3 driver for the e-maxManager which will let the USB send information to the computer.
2. Connect the USB Cable into USB Port on the PC.
3. When "USB" can be viewed on the LCD Status panel, the cable has been properly connected.

● RS232C output port (Optional)

This port will allow you to download data files onto the PC without using a USB port. By using this type of port you will be limited to using the digital camera mode only.



1. Connect the Serial cable to the COM1 or COM2 port on your computer.
2. Connect the other end of cable to the digital output port on the camera.
Turn the camera on.

4. e-maxManager application

1) ©-maxManager

Have you ever got hundreds of digital images from digital camera and got tired of their filenames and similar icons? Have you ever collected bunches of multimedia files but finally messed them up in your disk? Now Samsung e-maxManager provides you a clear workspace where you can collect image, video and MP3 music, type by type, with their recognizable thumbnails displayed on the workspace. Samsung e-maxManager serves a convenient platform between your Digimax35/MP3 and computer.

There are three categories - Image, Video and MP3 - can be managed within Samsung e-maxManager. User can add these type of files into the respondent category.

- (a) Image : You can add the general image formats, including BMP and JPEG into the Image category. It accepts images of palette color or 24 bits RGB color. Mono and CMYK color type is not allowed. The image source can be your disk or TWAIN source for a Digimax 35/MP3.
- (b) Video : You can add video file from disk or launch the Video Capturer to directly capture the video from Digimax 35/MP3 .
- (c) MP3 : This category collects MP3 music files. You can use Add Item command or drag-and-drop to select MP3 files to this category. You can use software to play a MP3 file or to upload MP3 files into CompactFlash Card of a Digimax35 MP3.

II . FAQs

2) Image

. Image Call disabled.

The following message will be displayed in Image Call.



- > Check the connections.
- > The camera is switched off. detach USB Cable from PC and re-connect to PC while the power switch is "ON".
- > If BUSY indicated on camera LCD, pull out USB cable and then reconnect it after BUSY disappeared.

. Photographed Image displayed.

- > There is no photographed image in memory card.
- > Image was not saved due to an error of memory card.

. Image Download disabled.

- > Check the connections.
- > Samsung Digimax 35 MP3 Driver not installed normally. Install again.

. What type of image saved?

- > Download photographed image, and automatically saved as JPEG. To save another file, Select FILE SELECT →ITEM SEND →Select file type as BMP,JPG. .

3) Video

. Storage method

If the image recorded and saved with video capture, it will be saved as avi file.
Control the size of saved file using [Auto Stop Size Setup] and [Auto Stop File Size Setup] in option menu.

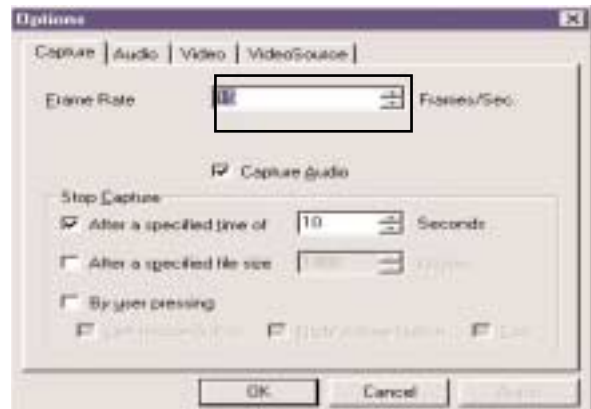
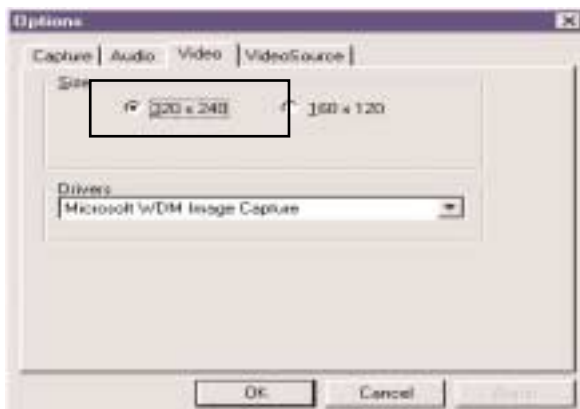
. Difference by screen size when compressed and not compressed

	QCIF(320X240)		CIF(160X120)	
	comp	non comp	comp	non comp
15 Frame/sec	1.194k	14.913k	634k	12.87k
30 Frame/sec	907k	15.139k	654k	13.025k

. How to set Frame Rate?

Control the size at Option → Video in Video Capture.

Control Frame Rate at Option → Capture in video Capture.



. How to set the audio?



Indicates the quality of sample audio. High quality needs more system resources. This means higher audio quality may cause serious video frame dropping if the system resources is critical. (Sound card should be installed in system)

- Bit by sample : Sets the number of bit which partitions sound wave-form. 8 bit sample divides each sample into the unit of 256 and 16 bit sample divides into 65536. Greater the number of partition, more similar with the original analog wave-form but increased information requires more storage space.
 - Channel : Mono or Stereo
 - Frequency : The sample frequency
- ※ If you did not interface the sound card in your PC, do not modify "Audio" Box. Otherwise it may cause the system error with message "Illegal Audio setting".

※ Audio setting example

Sample size	Sample size	Channels	File size	Sound quality
44KHz	16bit	Stereo	172 KB/sec	CD sound
22KHz	8bit	Mono	22 KB/sec	Radio sound
11KHz	8bit	Mono	11 KB/sec	Telephone sound

. If video capture executed, Video Capture window is displayed but window becomes black and no image displayed.

-> To use USB PC Camera, detach USB cable from PC and re-connect to PC while the power switch is "OFF".

☛ Camera turns OFF but the same situation occurred.

-> If pressing Ctrl + Alt + Del Key simultaneously, 'VIDEO CAPTURE device[No Response]' displayed.

After a completion of work, if running VIDEO CAPTURE again, an ERROR can be occurred as shown in the following. If pressing OK, normal VIDEO can be displayed and functions operated normally.



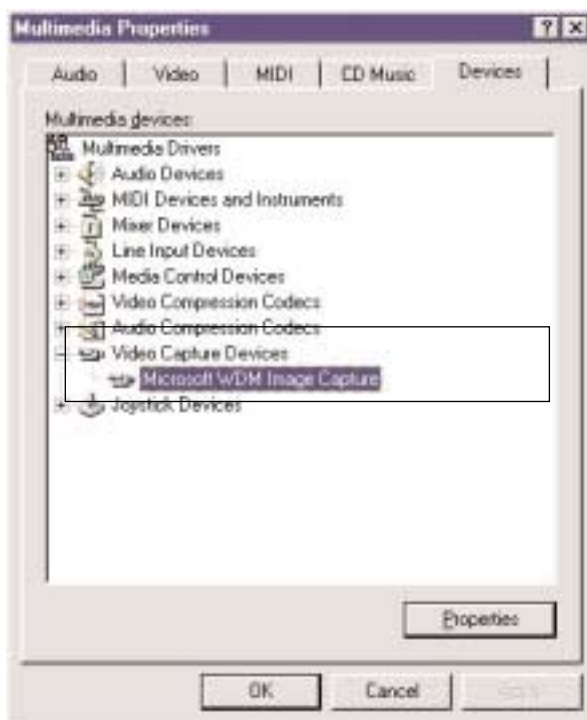
II . FAQs

If pressing VIDEO in OPTION, DIGIMAX 35MP3 would not be displayed as shown in the following and another device be selected.



Reset the VIDEO CAPTURE as follows.

☞ Select Start →Setup →Control Panel →Multimedia →Device.



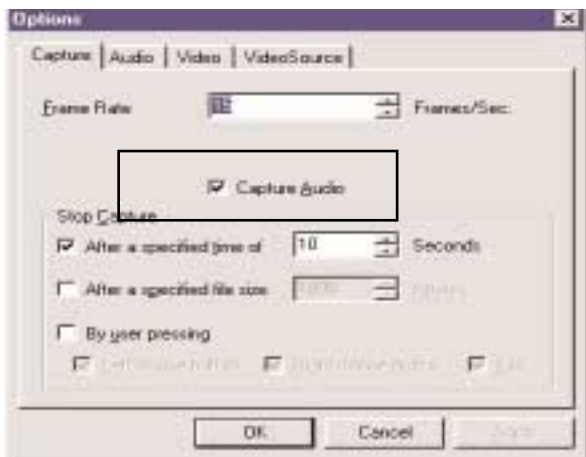
Select another capture device excepting for Microsoft WDM Image Capture, press Registration Information and select "This video capture device not used" as shown in the above figure.



Restart PC, run e-Maxmanager, and execute VIDEO CAPTURE for normal operation.

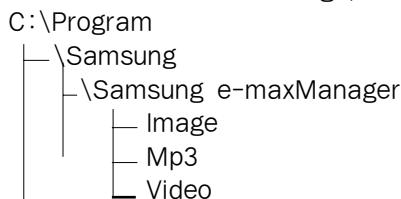
. No audio sound in replay after video recording

- ☞ Check if peripheral equipment connected.
- > Check if MIC and SPEAKER connected.
- ☞ Select OPTION from VIDEO CAPTURE and check if Audio Capture selected or not.



. Where is the image saved after screen capture?

-> Recorded avi file is saved in video folder and image capture saved in image folder.
 Saved in the lower folder such as Image, MP3, Video, and etc. as follows.



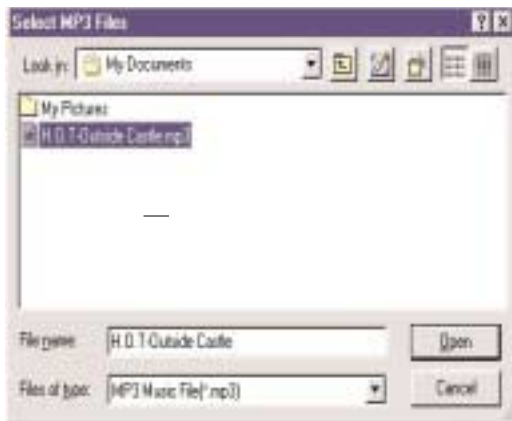
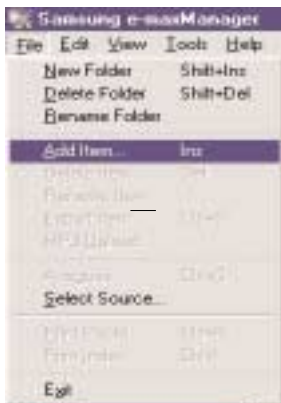
5. MP3

.. How to download MP3 music file.

To download MP3 file from Internet, connect to your favorite Internet Search Site. Most Internet Search site provides web sites list having MP3 files and you can connect to web sites and download your favorite MP3 files from their list.

For example, if saving downloaded MP3 music to the directory

- ① "Add Item" in MP3 folder
- ② Designate MP3 music and select OPEN in downloaded path(C:WTEMP)
- ③ Downloaded music appears in e-maxManage.



. How to upload the MP3 file to camera.



To upload MP3 files to the camera, detach USB cable from PC and re-connect PC while the **power switch is "ON"**

Select the mP3 files which you like to upload to the compact flash card.

Upload the MP3 file from the PC to the compact flash card using the "MP3 Upload" function in the e-maxManager "File" menu through the USB cable

. UPLOAD disabled.

1. When uploading MP3 file, the following message will be displayed.



-> Camera turns OFF. Pull out USB cable and set Power Switch to ON to reconnect.

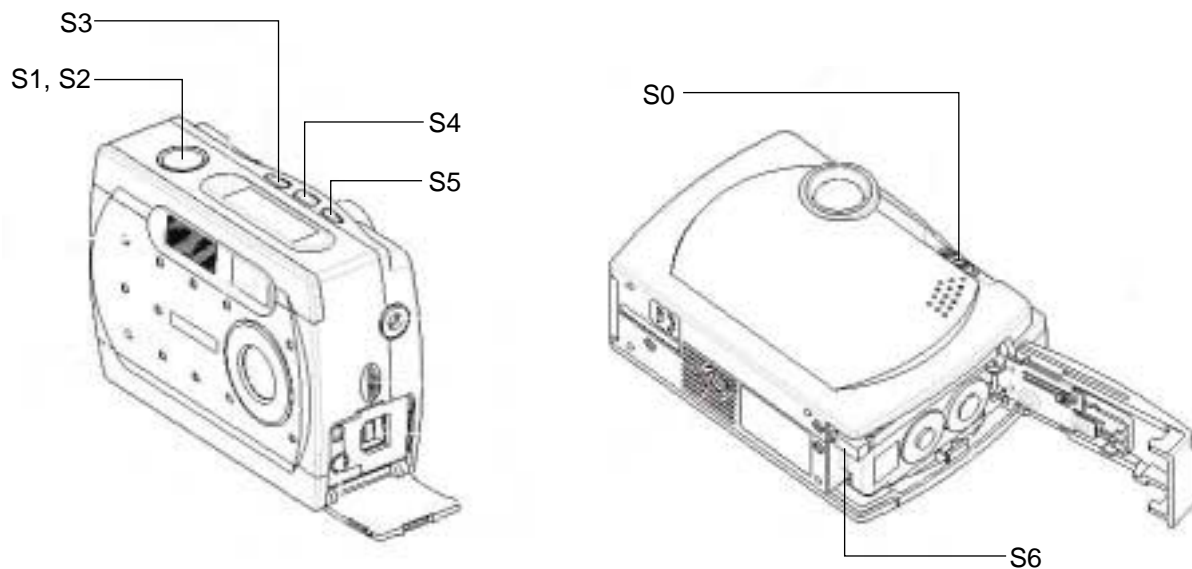
2. When uploading several music simultaneously, the following message will be displayed.



-> The object to upload has a memory more than the current MEMORY CARD. Delete unnecessary image and MP3 file from the current card or divide and upload the music as the memory of card.

III. PRODUCT CONSTRUCTION

1. LOCATION DIAGRAM FOR EACH S/W



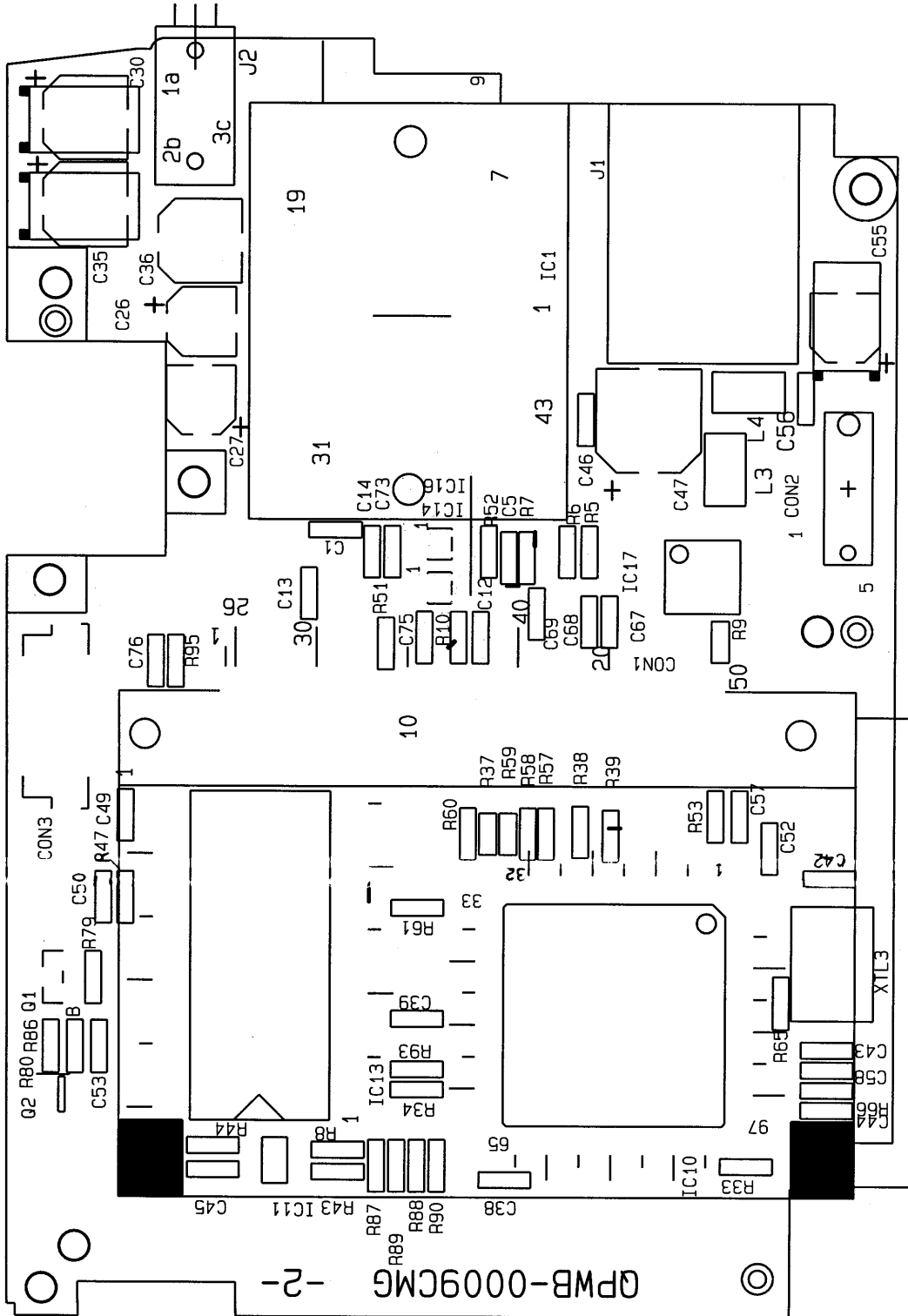
2. FUNCTION EXPLANATION FOR EACH S/W

No.	S/W	Switch Name	Function	Type
1	S0	Power S/W	Power ON/OFF	Contact
2	S1,2	Shutter S/W	Shutter Operation (AE,AF)	
3	S3	Enter Button	MP3 Play	
4	S4	Mode Button	Mode change	
			- Digital : Hi ↔ Lo - MP3 : VOL → SEL → DEL	
5	S5	Flash Button	Flash mode change Flash off ↔ Flash Auto MP3 : MP3 stop	
6	S6	CFcard remove Button	CF Card removal button	

3. PARTS ARRANGENENT FOR EACH PCB ASS'Y

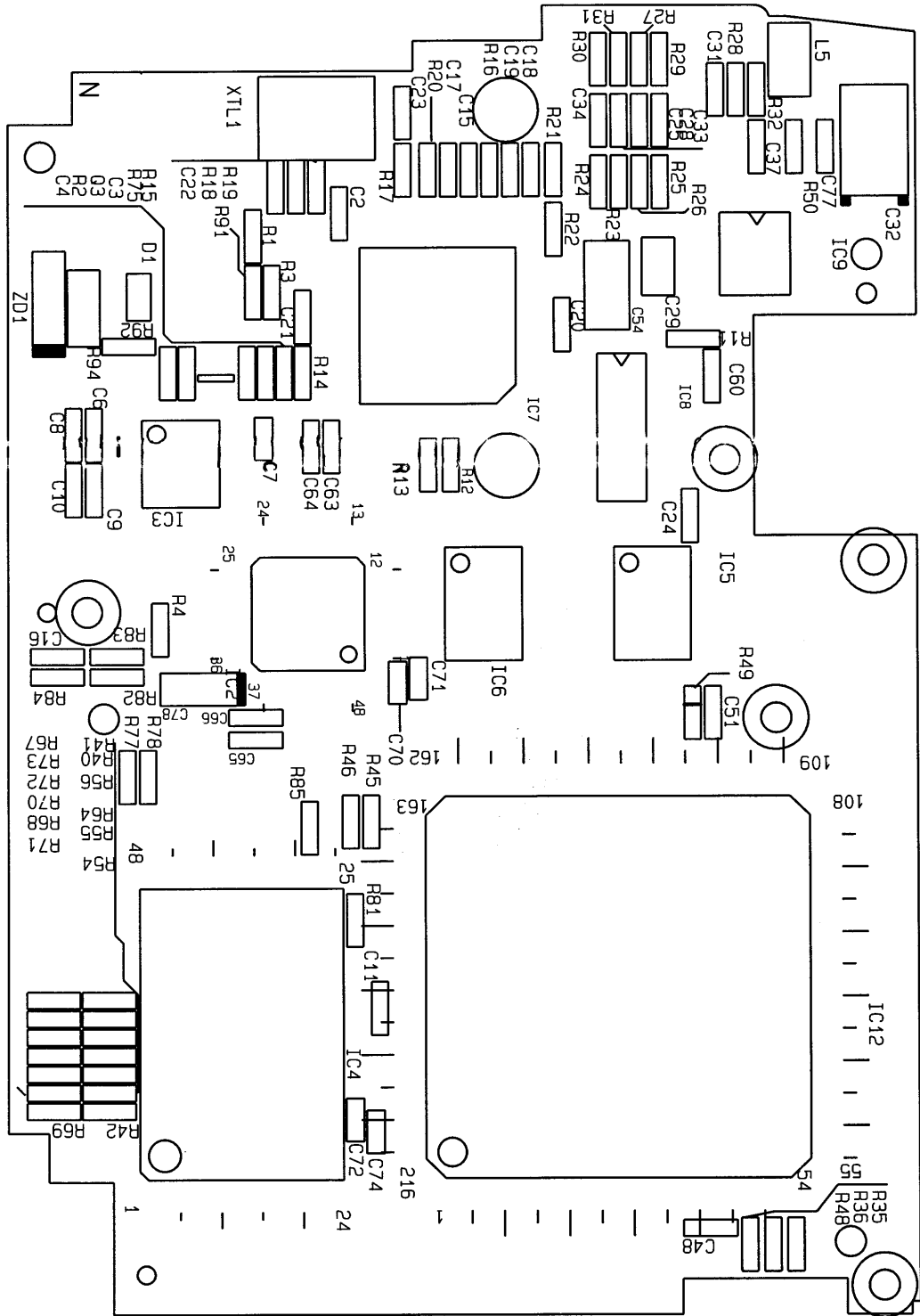
1) MAIN PCBUNIT

a) Parts Arrangement (Top)



III .PRODUCT CONSTRUCTION

b) Parts Arrangement (Bottom)



► PARTS LIST

No.	Quantity.	Reference	Spec
1	1	CON1 CF SOCKET	
2	1	CON2 10 PIN	
3	1	CON3 16 PIN	
4	20	C1, C2, C5~C14, C18, C20, C21, C24, C31, C37~C39	0.1uF
5	3	C3, C4, C50,	22P
6	1	C15	4.7nF
7	40	XTL2, C16, R18, R19, R27, R31, R34, C40, C41, C42, C51, C52 C57, C60, C64, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, R83, R84, R87, R88, R89, R90, R91, R92, C77	
8	1	C17	470pF
9	1	C19	1nF
10	2	C22, C23	47pF
11	2	C28, C25	680pF
12	3	C26, C27, C54	10uF
13	1	C29	1uF
14	3	C30, C35, C36	33uF
15	1	C32	100uF
16	2	C33, C34	0.33uF
17	4	C42, C43, C65, C66	10pF
18	1	C44	100p
19	8	C45, C46, C48, C49, C51, C52, C53, C56	0.1u
20	1	C47	100u/6.3V
21	1	C55	100u
22	1	C58	5p
23	1	C63	20pF
24	1	C72	33pF
25	1	D1	DAP202K
26	1	D2	DA227
27	1	IC1	IMAGW SENSOR-HV7131B
28	1	IC2	USB-NET2888
29	1	IC3	ADM3232E
30	1	IC4	FLASH SST39VF160
31	2	IC5, IC6	74LVC245
32	1	IC7	STA013T-TQFP44
33	1	IC8	WM8725 D/A CONVERTER

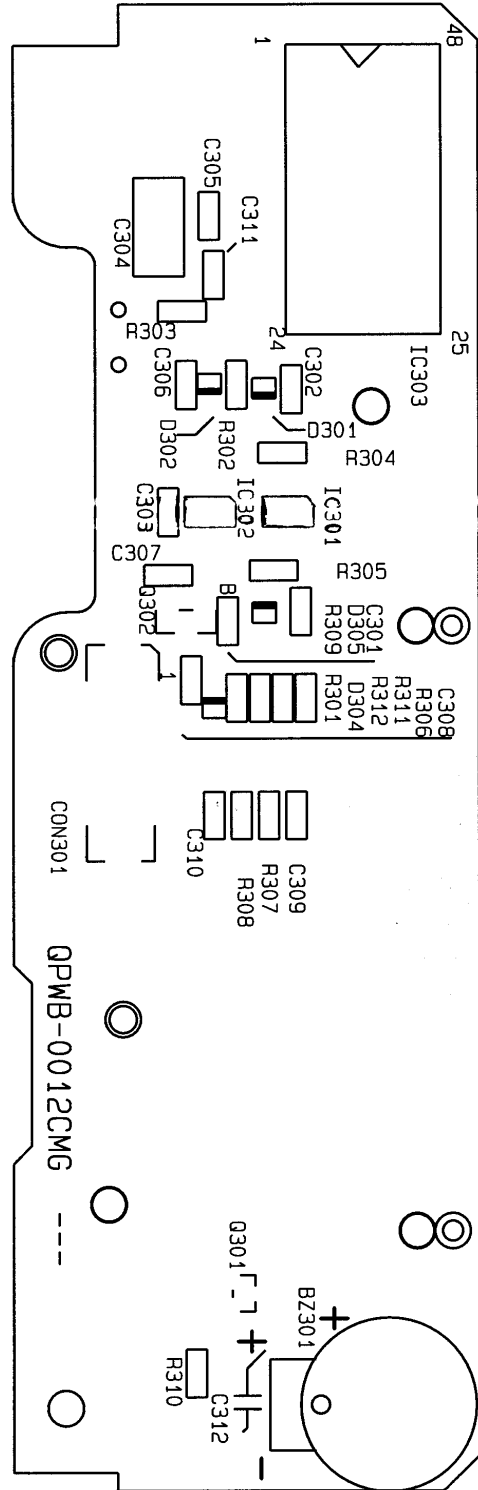
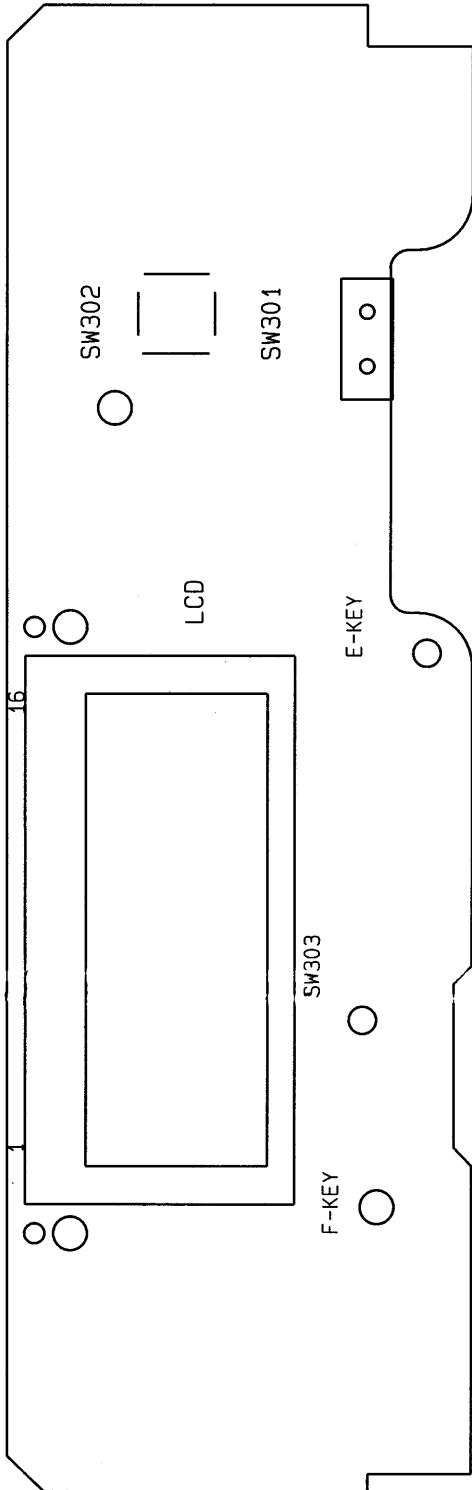
III . PRODUCT CONSTRUCTION

No.	Quantity.	Reference	Spec
34	1	IC9	BH3544F-AUDIO AMP
35	1	IC10	CPU-EOC33208 QFP15
36	1	IC11	PST597JNR
37	1	IC12	ASIC
38	1	IC13	SDRAM-HM52161265-TSOP50
39	2	IC14, IC16	74HC32
40	1	IC17	74HC393
41	1	J1	JACK USB
42	1	J2	PHONE JACK STRERO
43	3	L3, L4, L5	1uH
44	1	Q1	2SA1015
45	2	Q2, Q3	DTC143EUA
46	1	R1	1.5K
47	3	R2, R3, R80	100
48	32	R4, R5, R6, R7, R8, R9, R10, R86, R12, R13, R35, R36, R37 R38, R39, R40, R41, R43, R45, R46, R48, R49, R54, R55, R56 R57, R58, R59, R60, R61, R69, R70	10K
49	11	R11, R17, R33, R47, R53, R77, R78, R81, R82, R85, R98	0
50	4	R14, R15, R66, R75	4.7K
51	1	R16	1K
52	2	R20, R65	1M
53	4	R21, R22, R28, R32	4.7
54	4	R23, R26, R29, R30	56K
55	2	R24, R25	2.7K
56	2	R50, R44	100K
57	1	R79	47K
58	1	R93	18
59	1	R94	1.5
60	1	TEST PIN	10 PIN
61	1	XTL 1	14.318M
62	1	XTL3	24MHz
63	1	ZD1	3.3V

2) KEY BOARD PCBUNIT

a) Parts Arrangement (Top)

b) Parts Arrangement (Bottom)



III . PRODUCT CONSTRUCTION

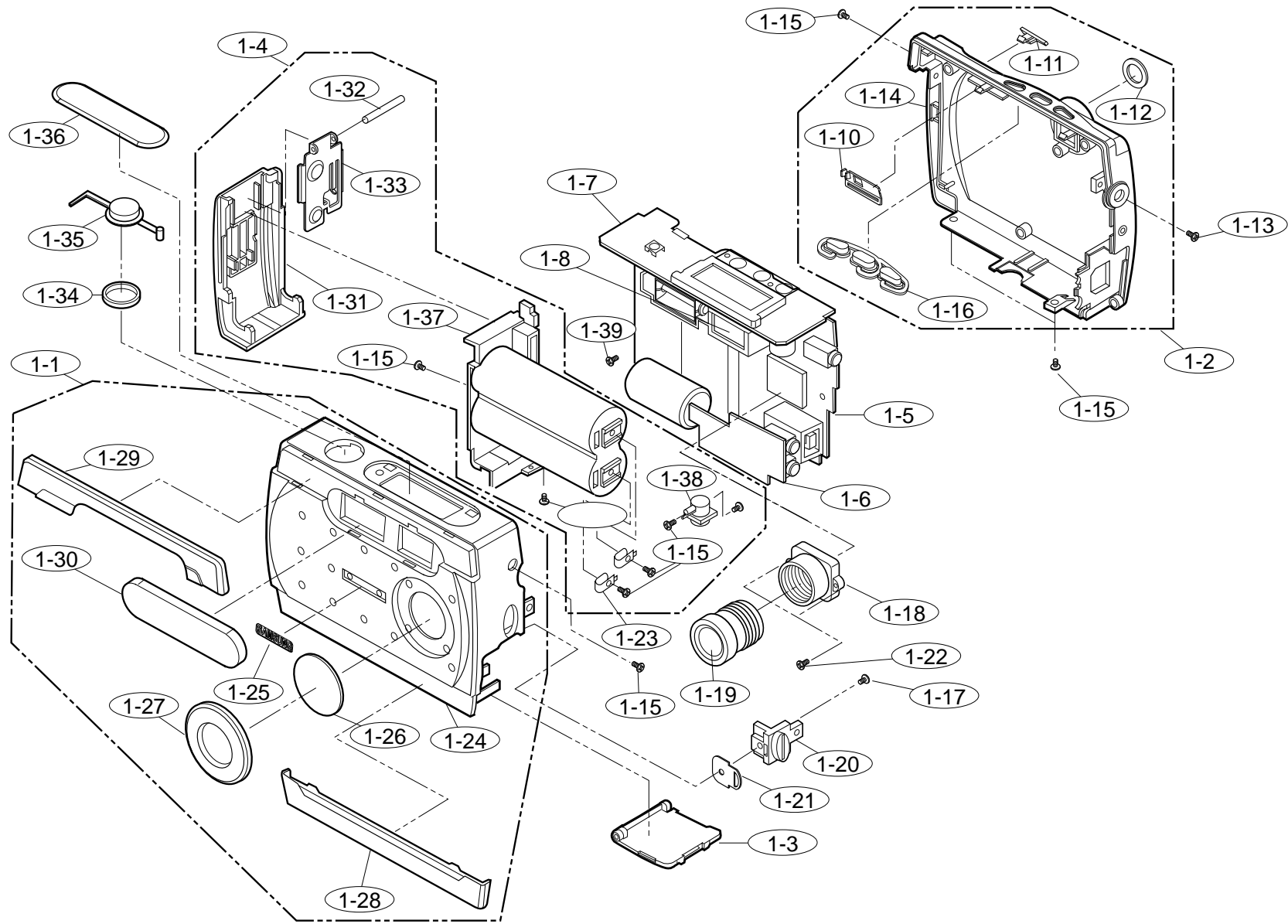
► PARTS LIST

No.	Quantity.	Reference	Spec
1	1	BUZ301	BUZZER
2	1	CON301	16PIN
3	7	C301, C305, C307, C308, C309, C310, C311	0.1u
4	1	C302	0.1uF
5	1	C303	0.01uF
6	1	C304	10u/10V
7	1	C306	1000P
8	4	D301, D302, D304, D305	1SS355
9	1	IC301	TC7W14FU
10	1	IC302	TC7W00FU
11	1	IC303	HT1621B
12	1	LCD	
13	1	Q301	DTC143 EUA
14	1	Q302	HNT1815
15	1	R301	1M
16	1	R302	4.7K
17	2	R304, R305	1K
18	6	R306, R307, R308, R309, R311, R312	10K
19	1	R310	100
20	1	SW301	FUNCTION S/W
21	1	SW302	C KEY
22	1	SW303	F KEY
23	1	SW304	M KEY
24	1	SW305	E KEY

III .PRODUCT CONSTRUCTION

► PARTS LIST

No.	Quantity.	Reference	Spec
1	3	C103, C107, C201	0.1uF
2	1	C104	100uF/10V
3	1	C202	0.022uF/400V
4	1	C203	60uF/330V
5	2	D102, D101	RB051L-40
6	1	D201	SR96A
7	1	D202	MA111(or 1SS355)
8	1	IC101	RN5RK332A
9	1	J101	DC JACK
10	1	J102	RS232 JACK
11	1	J103	10 PIN
12	1	LM201	TUB301
13	1	L101	27uh/1A
14	1	L102	10uh/600ma
15	1	Q101	DTC143 EUA
16	1	Q102	2SD2098R
17	1	Q103	LML6401
18	3	Q104, Q201, Q202	HNT1815G
19	1	Q203	HPT1015G
20	1	Q204	2SD2152R
21	1	R101	5.6M
22	2	R201, R103	27K
23	3	R104R R208, R209	10K
24	1	R105	560
25	2	R108, R109	4.7K
26	2	R202, R203	330
27	1	R204	8.2K
28	1	R205	1K
29	1	R206	3M
30	1	R207	100
31	1	R210	1M
32	1	R211	20M
33	1	R212	10M
34	1	R213	180K
35	1	S201	TS6370
36	1	TP3	T POINT R
37	1	TP1, TP2	T POINT
38	1	T201	TRANS301
39	1	T202	TR
40	1	ZD201	300V



IV. EXPLODED VIEWS AND PARTS LIST

IV. EXPLODED VIEWS AND PARTS LIST

► PARTS LIST

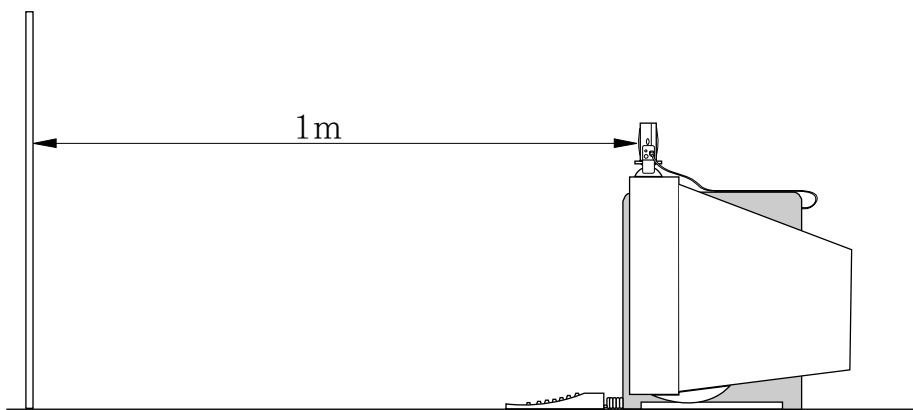
Fig.No.	Parts No.	Parts Name	Q'ty	Supply Available Parts	Remarks
1- 1	9007-1495-01A	Front Cover Ass'y	1	O	
1- 2	9007-1496-01A	Back Cover Ass'y	1	O	
1- 3	7217-2079-01A	Jack Cover	1	O	
1- 4	9001-0793-01A	Battery Holder Unit Ass'y	1	O	
1- 5	9008-0379-01A	Main Board PCB Ass'y	1	O	
1- 6	9008-0380-01A	Power Board PCB Ass'y	1	O	
1- 7	9008-0381-01A	Key Board PCB Ass'y	1	O	
1- 8	9003-0152-01A	Vlew Finder Ass'y	1	O	
1- 9	6003-0286-01A	Screw	1	O	
1-10	7217-2091-01A	Power Knob Slide	1	O	
1-11	7217-2087-01A	Power Knob	1	O	
1-12	7217-2077901A	Eyepiece Window	1	O	
1-13	6003-0291-01A	Screw	1	O	
1-14	7217-2073-01A	Back Cover	1	O	
1-15	6003-0290-01A	Screw	10	O	
1-16	7217-2086-01A	Mode Button	1	O	
1-17	6003-0288-01A	Screw	1	O	
1-18	7217-2088-01A	Lens Holder	1	O	
1-19	6711-0417-01A	Lens	1	O	
1-20	7217-2089-01A	Strap Link Holder	1	O	
1-21	7017-0290-01A	Strap Link	1	O	
1-22	6003-0289-01A	Screw	1	O	
1-23	7017-0292-01A	Angle, Down Battery Connector	2	O	
1-24	7217-2072-01A	Front Cover	1	O	
1-25	7217-2082-01A	Name Plate	1	O	
1-26	7217-2078-01A	Protection Filter	1	O	
1-27	7217-2084-01A	Decoration Ring	1	O	
1-28	7217-2081-01A	Decoration Plate B	1	O	
1-29	7217-2080-01A	Decoration Plate A	1	O	
1-30	7217-2075-01A	Finder Window	1	O	
1-31	7217-2074-01A	Battery Cover	1	O	
1-32	7411-0780-01A	Connector Shaft	1	O	
1-33	7017-2091-01A	Angle, Up Battery Connector	1	O	
1-34	7217-2083-01A	Release Decoration	1	O	
1-35	7217-2085-01A	Release Button	1	O	
1-36	7217-2076-01A	LCD Window	1	O	
1-37	7217-2090-01A	Battery Holder	1	O	
1-38	6003-0287-01A	Screw Holder	1	O	
1-39	6003-0293-01A	Screw	1	O	

V . ADJUSTMENT

1. Adjustment

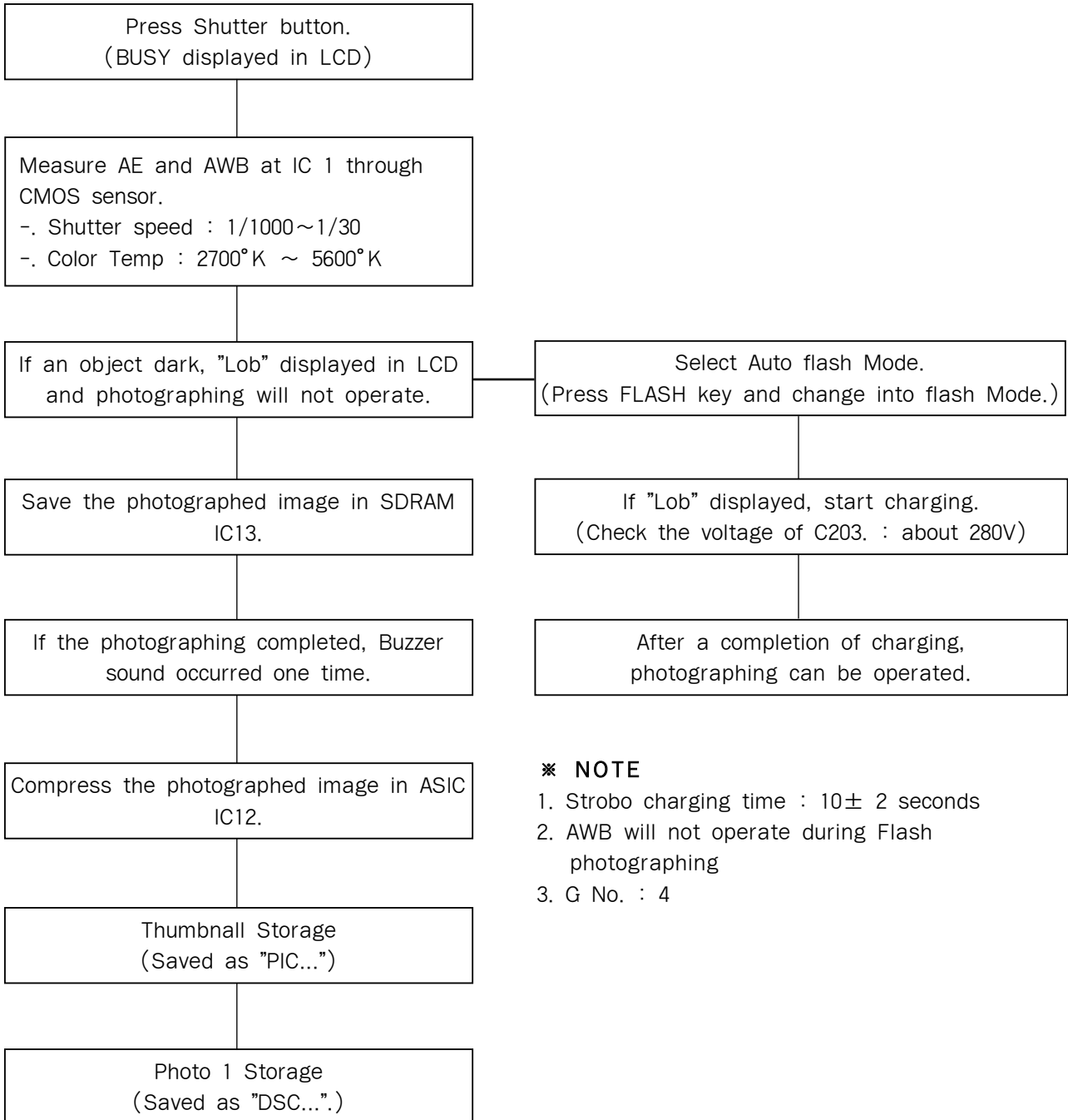
■ Adjustment

- a. Disconnect Front cover of camera.
- b. Connect the camera with PC and run Vidcap or Amcap.
(Vidcap or Amcap down load from Microsoft homepage.(www.microsoft.com))
- c. Install DSC resolution chart in the distance of 1 m with camera.
- d. While monitoring video capture on PC Monitor, rotate the lens until the resolution chart displayed clearly.(Resolution chart : DSCCH-01)
- e. Focus on the most clear image and then perform lens bonding.(1401B Bond)



VI. TROUBLESHOOTING

1. 1. DSC Photographing



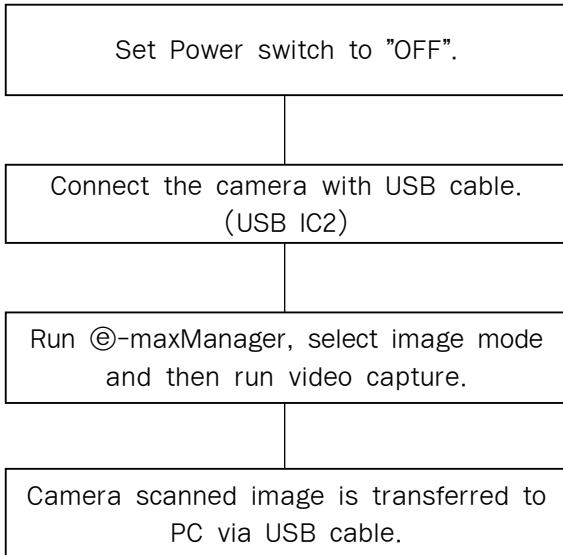
※ NOTE

1. Strobe charging time : 10 ± 2 seconds
2. AWB will not operate during Flash photographing
3. G No. : 4

※ NOTE

1. HI : 640×480 , Lo : 320×240
2. Resolution of Thumbnall : 80×60
3. Photographing available number can be varied to the capacity of CFcard, but can be done up to 999 frames.

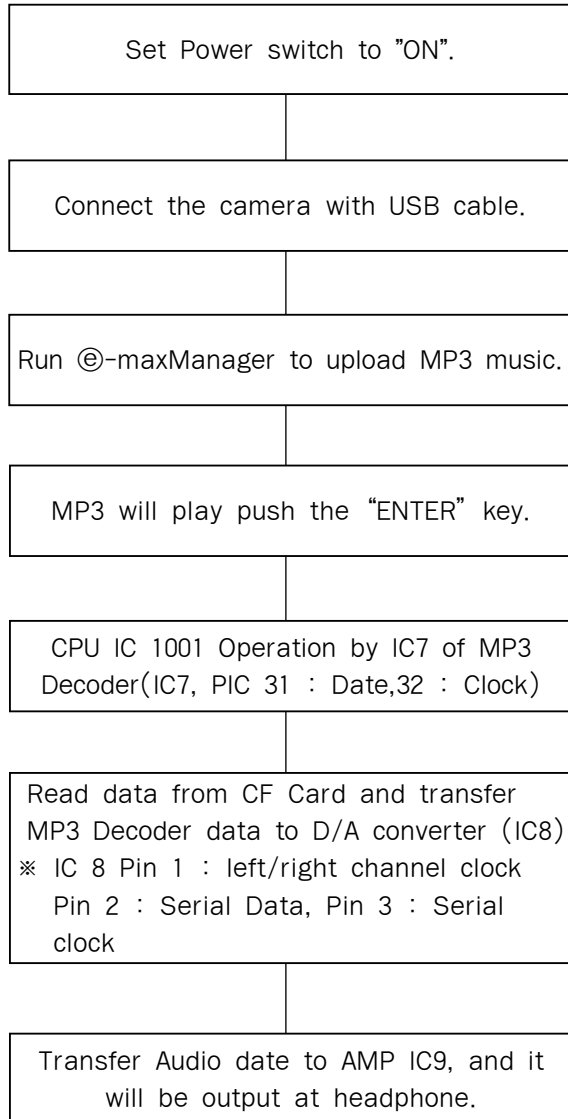
2. PC Camera



※ NOTE

1. If the environment changed, automatically measure AE and AWB.
2. First install WDM driver.
3. Separate power is not required to use USB cable.

3. MP3 Upload & Play



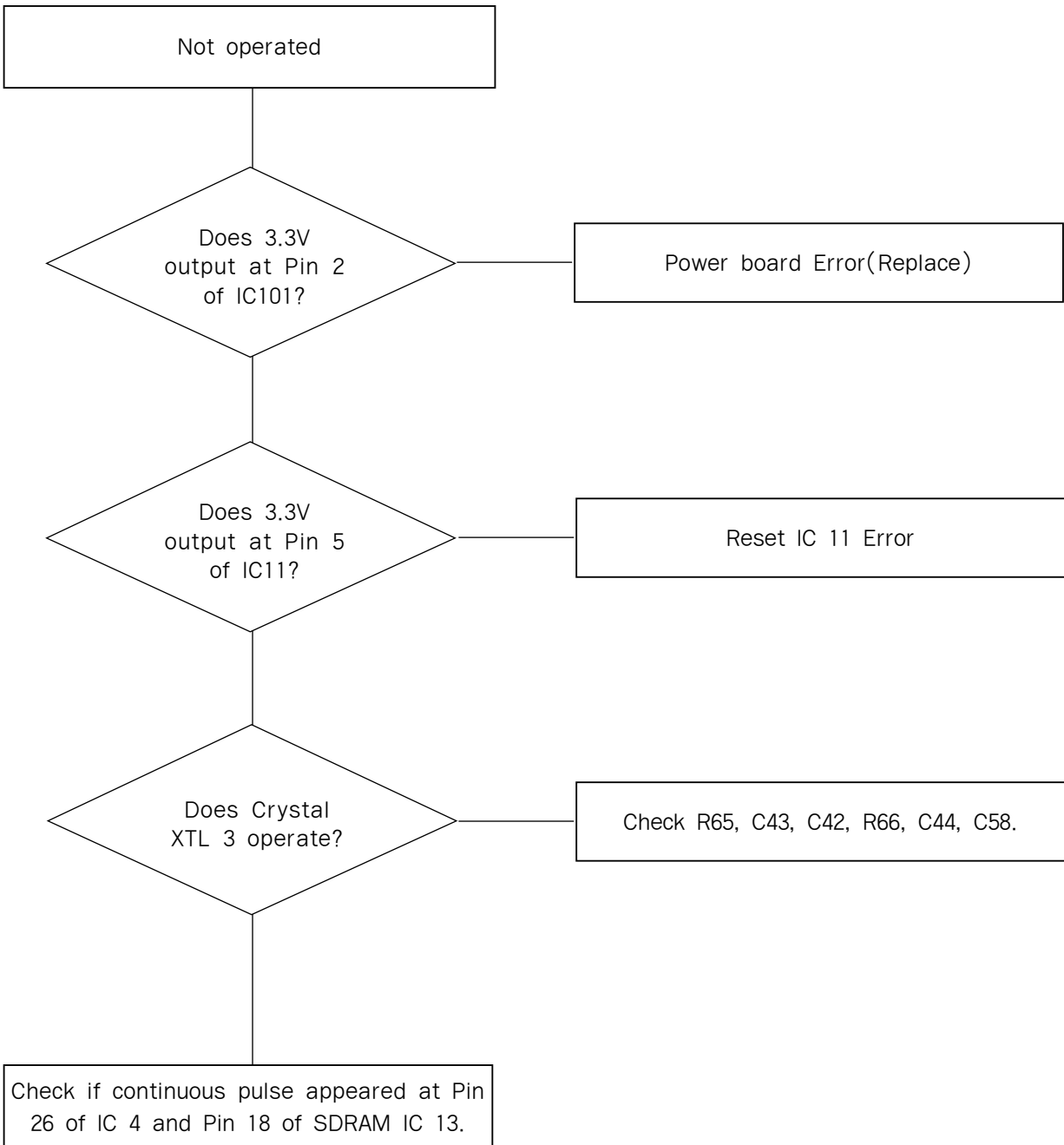
※ NOTE

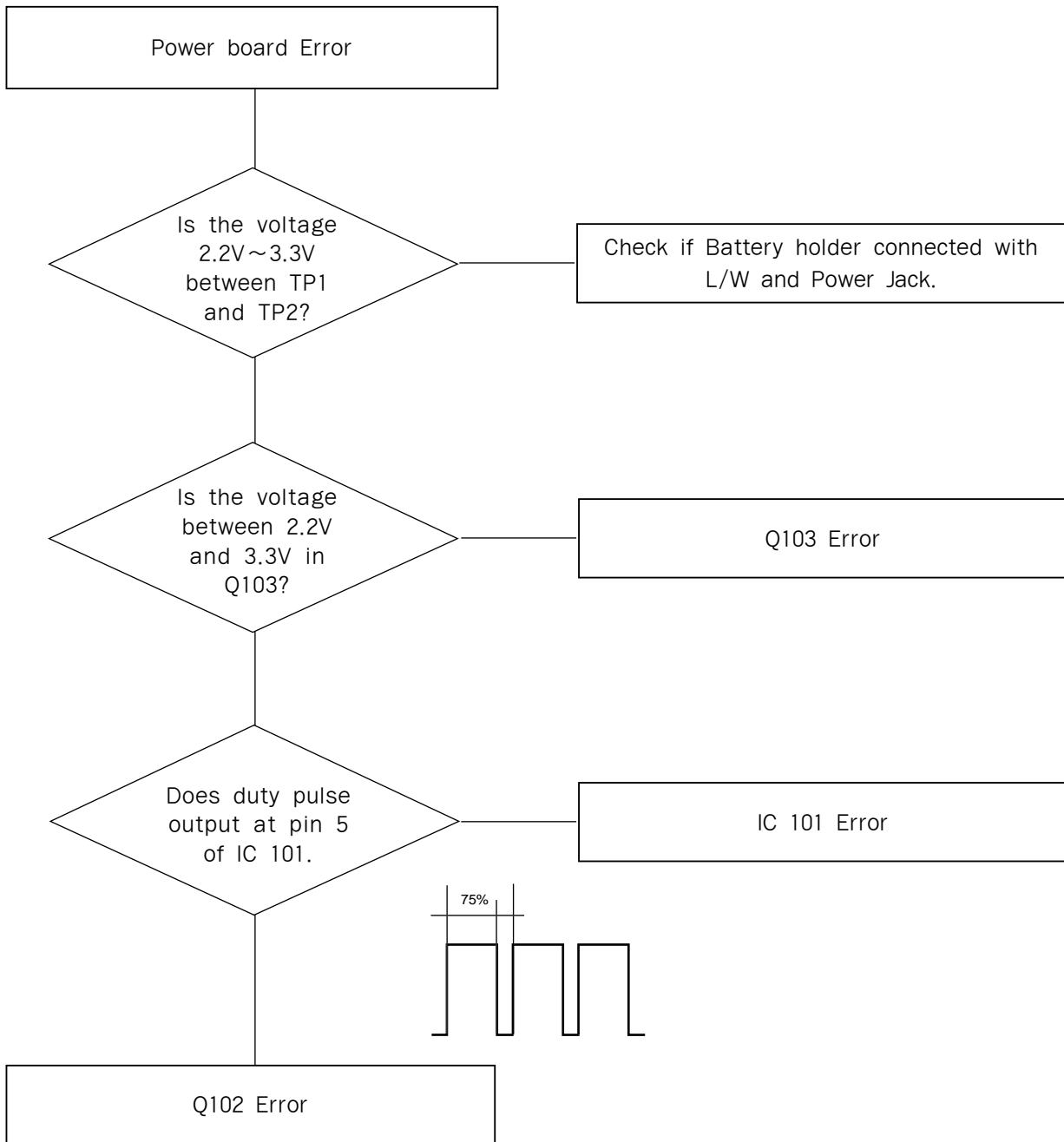
IC 7 MP3 Decoder : As single Chip, Layer 3 decoder of MPEG 2 . Also, MPEG 1,2 Audio format is the spec. of ISO, but MPEG 2,5 is not.

VI. TROUBLESHOOTING

4. TROUBLESHOOTING

1) Operation Error



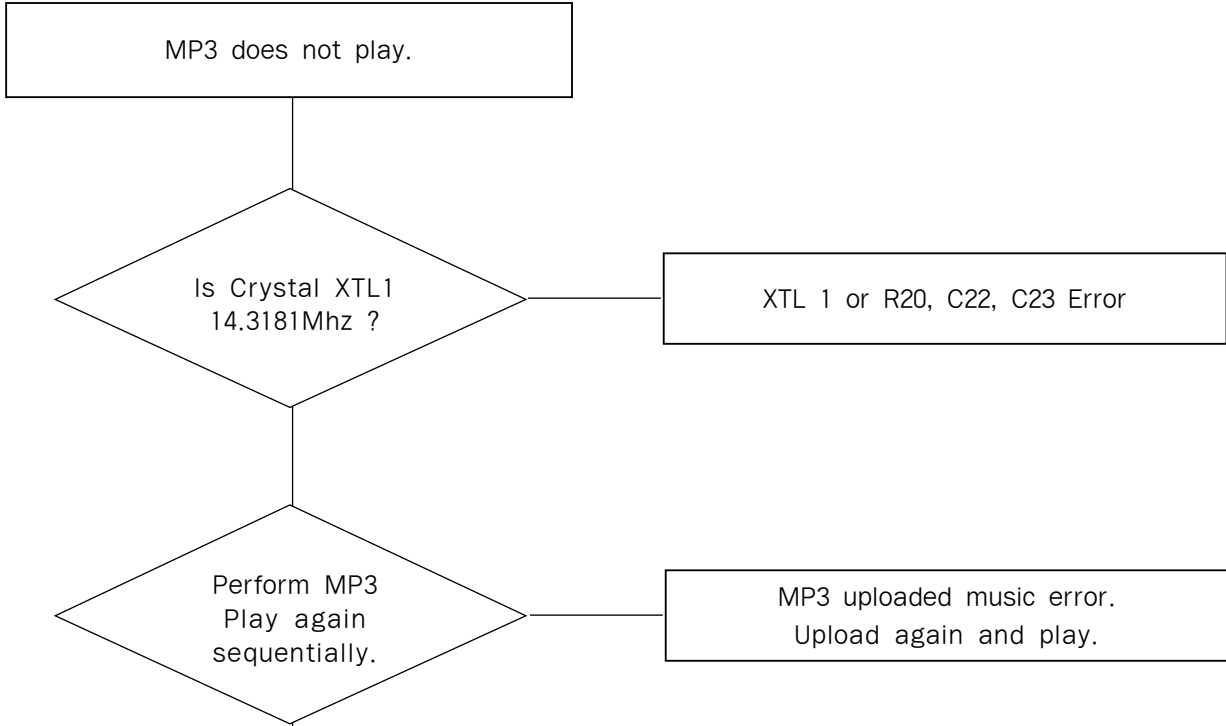


※ NOTE

1. If the operating current more than 1A, parts short(ZD1) can be occurred.
2. In case of high battery consumption, check the C104 for short.

VI. TROUBLESHOOTING

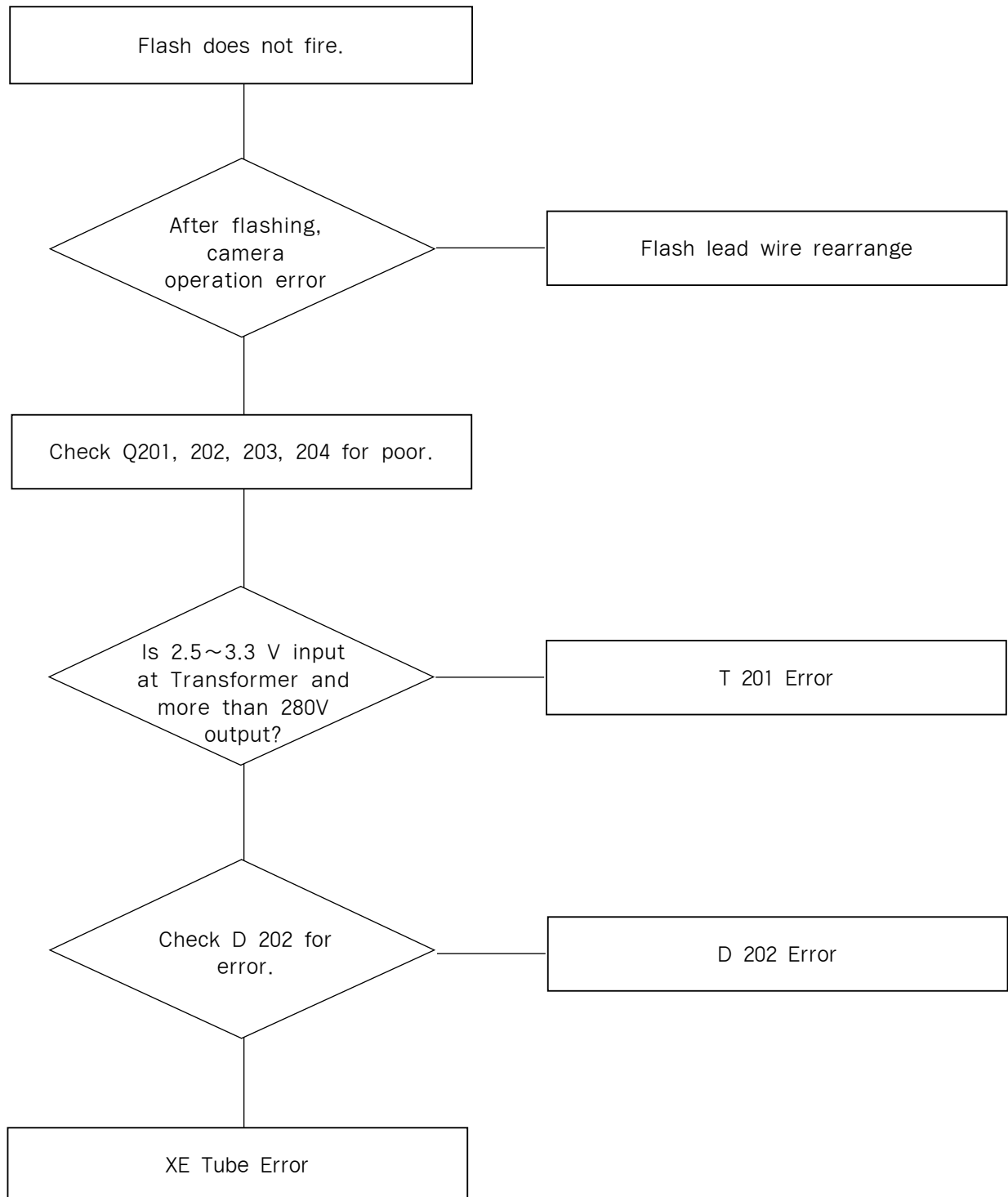
2) MP3 Play Error



※ NOTE

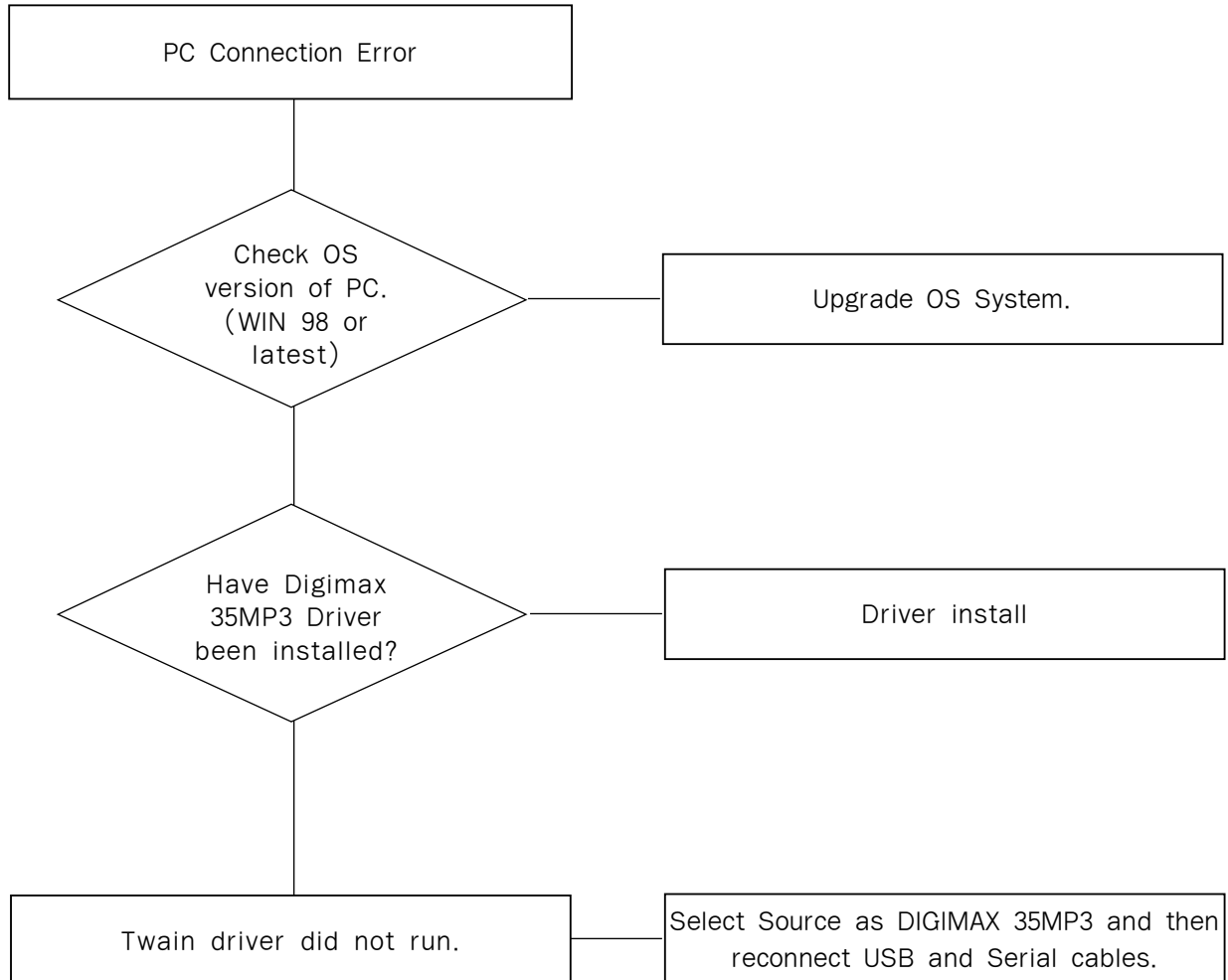
If a noise occurred during MP3 Music Play, check if C32 being 100 uF and replace the faulty.

3) Flash does not fire.



VI . TROUBLESHOOTING

4) PC Connection Error



※ NOTE

When image not downloaded normally using RS232 Serial cable, check RS232 jack and Driver IC 3.