Micro D Player User's Manual

MICRO D PLAYER	»	? 50 🔨 💶 🗆 ×
MICRO DPLAYER		CALENDAR INFO
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	No. of the local division of the local divis	MET
	A B	AM JPG 🥵 🛅

X The contents of the manual	can be modified without	prior notice to customers
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Chapter 1: REC	Chapter 1: REQUIRED SPECIFICATION OF PC AND OS			
ITEM	Recommended Specifications			
CPU	Intel Pentium 4 CPU more than 3.00GHz			
Main Memory	1GB			
VGA CARD	MEMORY: More than 64MB / DAC: Above 350MHz			
O/S [*]	Windows XP , Windows Vista, Windows 7			
DirectX	Above DirectX 9.0C			
Resolution	More than 1,024 X 768			

Chapter 2: SUPPORTED O/S

- ✓ Windows XP
- ✓ Windows Vista
- ✓ Windows 7

Chapter 3: PROGRAM INSTALLATION

🥵 Micro D Player 📃 🗖 🔀
Welcome to the Micro D Player Setup Wizard
The installer will guide you through the steps required to install Micro D Player on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel < Back Next >

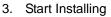
PIC. 3.1 MICRO D PLAYER SETUP WIZARD

- 1.
- Insert the installation CD into your PC. Click a setup file and the install shield wizard window will appear. 2.
- 3. Click 'Next' Button.

Micro D Player	
Select Installation Folder	
he installer will install Micro D Player to the following folder. o install in this folder, click "Next". To install to a different folder, enter	it below or click "Browse".
Eolder: [C:₩Program Files₩Micro D Player₩	Browse
	Disk Cost
Install Micro D Player for yourself, or for anyone who uses this compu	ıter:

PIC. 3.2 SELECT INSTALLATION FOLDER

- 1. Then select the folder where the program is to be installed. Click Browse... Button to change the designated folder.
- 2. To install in the default folder, click





PIC. 3.3 CONFIRM INSTALLATION

🛃 Micro D Player			
Installing Micro D Playe	r		
Micro D Player is being installed.			
Please wait			
	Cancel	< <u>B</u> ack	Next >

PIC. 3.4 INSTALLING MICRO D PLAYER

🛿 Micro D Player	
Micro D Player Information	
If you use Vista and don't have Administrator's please register OCXs by running Start > Micro > Register OCX .	
Cancel Cancel	<u>N</u> ext >

PIC. 3.5 MICRO D PLAYER INFORMATION

Users who is using windows Vista or Windows 7 Operating System without Administrator's account should register OCX as shown in the picture 3.5.

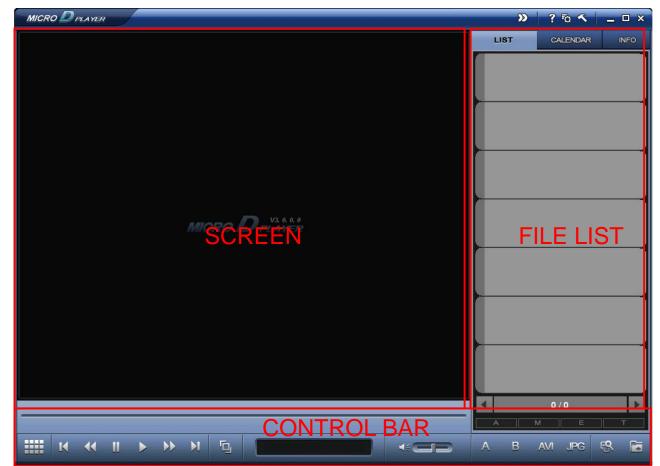
🔀 Micro D Player		
Installation Co	mplete	
Micro D Player has been	successfully installed.	
Click "Close" to exit.		
-		
	Cancel < <u>B</u> ack	
stallation is completed click	PIC. 3.6 INSTALLATION COMPLETE	D

Chapter 4: HOW TO USE MICRO D PLAYER

After installation, icon will appear on the desktop of your PC. Double-click the icon to run the Program, and then program will run as shown in [Pic. 4.1-1] below.

4.1 MICRO D PLAYER SCREEN

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PIC. 4.1-1. PLAYER SCREEN

_ — ×	Minimize Window / Maximize Window / Close Window	
Fe	Open the selected File Folder	
S	Open the selected files	
JPG	Screenshot (JPEG file)	
IVA	Convert to AVI file (section A and B)	
В	Setup AVI File End Point	
A	Setup AVI File Start Point	
14 44 <u>11</u> > >> >1	 Frame Back Rewind(-2X/-4X/-8X/-16X) 	
1 2 3 4 5 6	 3 Pause 4 Play 5 Fast Forward(2X/4X/8X/16X) 6 Frame Forward 	

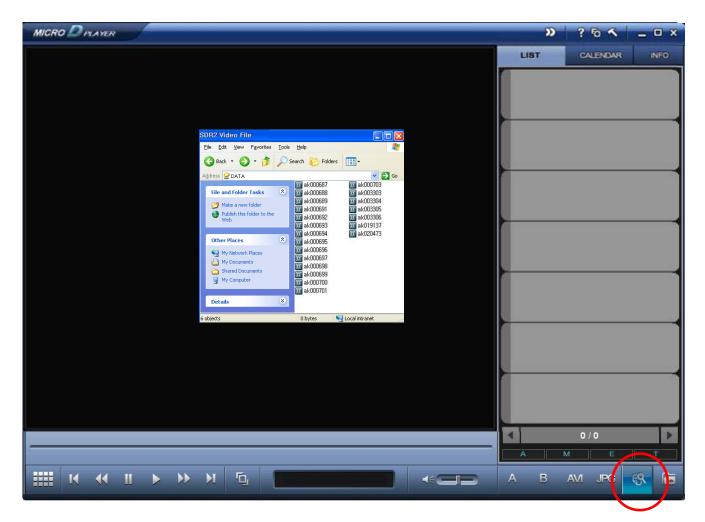
		Show images at the interval of 1/2/3/5/10/20/30/60 Sec
r <u>c</u>		Change Video Ratio
A		Alarm Event
M		Motion Event
E		Emergency Event
т		Time Event
 ₹ 2/3 		Shift the file list to Backward and Forward (Current list Page/ Entire list Page)
15:15:17		A scale displays at the intervals of 5 min/10min
		Event indicator: It displays the points where events occur. The events can be triggered by motion or sensor input.
		Sound control bar.
2010-04-28 11:28:32		MICRO D PLAYER MENU
(Om 38s) 704 × 480 (30FPS) ak000009.sdr2 2010-04-28 11:28:25 (Om 5s) 704 × 480 (30FPS) ak000008.sdr2 2010-04-28 11:28:09 (Om 6s) 704 × 480 (30FPS) ak000007.sdr2 2010-04-28 11:27:20 (Om 5s) 704 × 480 (30FPS) ak000007.sdr2 2010-04-28 11:27:20 (Om 5s) 704 × 480 (30FPS) ak000006.sdr2	1 2 3 4 5 6	 Thumbnail: The first frame is used as thumbnail image. File Property Icon A: Activated when the SDR2 file is generated by sensor trigger. R: Activated when the SDR2 file is generated by emergency M: Activated when the SDR2 file is generated by motion event. T: Activated when the SDR2 file is generated by time event. File Name Display file name File Recording Started Date and Time File recording started Date and time is displayed as 'YYYY-MM-DD hh:mm:ss. File Playback Duration Time Playback duration time for each recorded file is displayed as 'XX m XX s'.
2010-04-28 11:17:34 (4m 36s) (4m 36s) 704 × 480 (30FPS) ak000002.sdr2		'XXX x XXX (XXFPS)'
PIC. 4.1-2. MOVIE LIST		8

PIC. 4.1-2. MOVIE LIST

4.2 OPEN

4.2-1 OPEN FILES

- 1. Remove the SD card from the Micro DVR.
- 2. Insert the SD card into the SD card reader on your PC.
- 3. Click the subtron and select 'File Open'.
- 4. Choose an 'sdr2 file' from SD card or a folder from the pc.



PIC. 4.2-1 OPEN FILES

4.2-2 OPEN FOLDERS

MICRO DPLAYER	»	? 50 ~ _ — ×
Folder Search		CALENDAR INFO

PIC. 4.2-2 OPEN FOLDERS

Click solution to bring data from PC or USB drive.

4.3 PLAYBACK

4.3-1 PLAYBACK AS SDR2 FORMAT



PIC. 4.3-1 PLAYBACK SDR2 FORMAT

LIST FILE displays as pic.4.3-1 when open SDR2 files. Click the thumbnail to playback the file. Displays Time of current playback file by 'YYY/MM/DD HH:MM:SS' on the middle of the table below. **Attention: Click right mouse button on the time display area and choose 'Read from right to left'. Time display status changes from 'YYYY/MM/DD HH: MM: SS' to' HH: MM: SS' YYYY/MM/DD*'



PIC. 4.3-2 DRAG BY MOUSE



User can see the extended playback image by using mouse left button. Designate the area for extension by using left side mouse button and blue square tool box appears on the part where user selected. Click the left side mouse button to return to original size. The smaller the size, the larger extended area will be shown.

** Attention: Click right side mouse button onetime on the playback image to see it in full screen.*



4.3-2 PLAYBACK PREVIEW

PIC. 4.3-2-1 PLAYBACK PREVIEW

Image Interval I Sec 2 Sec 3 Sec 5 Sec 10 Sec 20 Sec 30 Sec 60 Sec	Show images at the interval of 1/2/3/5/10/20/30/60 Sec
	① Move to First page
Navigation	 Move to the Previous page
к « < > » »	③ Move to the Previous frame
(1) (2) (3) (4) (5) (6)	④ Move to the Next frame
	(5) Move to the Next page
	6 Move to Last page
Auto	Automatically rotates 'Playback Preview' page as pe selected Preview Speed
Preview Speed 4 Sec 2 Sec 3 Sec 5 Sec	Select 'Playback Preview' Page Transition Rate at the interval of 1/2/3/5 sec

*Notice: Upon pressing , please choose Image Interval Speed.



Click on a desired image on 'Playback Preview' page and then Pic. 4.3-2-2 is shown as below.

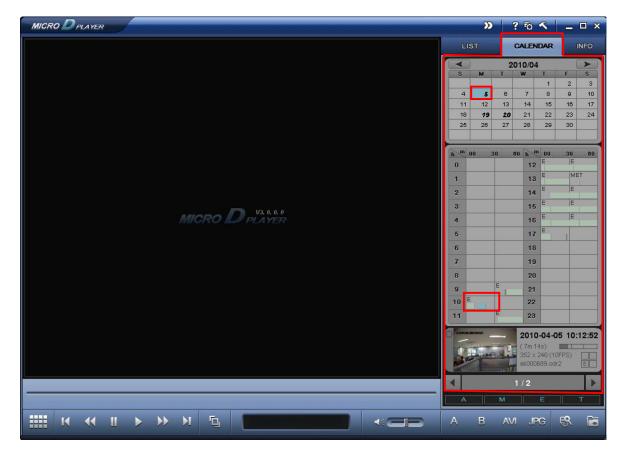
PIC. 4.3-2-2 PLAYBACK SINGLE FILE

Use 1 and 2 to check file images per frame.

	 Go to Previous frame Go to Next frame
	Return to 'Playback Preview'
Video Play	Playback from the current selected frame.

4.3-3 PLAYBACK /SEARCH BY CALENDAR

Click CALENDAR and find the relevant data according to the date & time.



PIC. 4.3-3 -1 PLAYBACK /SEARCH BY CALENDAR

- 1 Click CALENDAR and check the files categorized by date
- ② Below the calendar, time table and relevant data files display the recording contents.
- ③ Click the thumbnail to playback.

4.4 Convert

4.4-1 CAPTURING AS JPEG FILE



PIC. 4.4-1 CAPTURING AS JPEG FILE

Click button to convert the SDR2 file into JPG file. Click button to complete the process. The size of JPG image can be selected among 704*480(704*576)/352*240(352*288)/Original.

Caption: Users can insert the title for each JPG file. **Caption Position**: the caption can be placed at one of 8 corners of display.

Select the position and press

Apply Press

to save the JPG file in the designated folder.

4.4-2 CONVERTING TO AVI FILE



PIC. 4.4-2 CONVERTING TO AVI FILE

1. 'Video Export' window opens when click on shown in [Pic. 4.4-2].



button. And it includes two monitor windows as

- ① Go to the First Frame
- 2 1 Min: Go to the Previous(Next) 1 Minute Image
- 3 10 Sec: Go to the Previous(Next) 10 second Image
- ④ 1 Sec: Go to the Previous(Next) 1 second Image.
- 5 Go to the Last Frame
- 2. Select the section for converting to AVI FILE

Export

If users click button

designated section A to B is saved as one independent file in AVI format.

4.4-2-1 BACKUP ALL FILES TO AVI FILES

MICRO D PLAYER					(» ? 50 K	_
					LIST	CALENDAR	INFO
Back	(Backup to D:	DATA\)					19:29
 ak020473. ak019137. ak003306. ak003305. 	sdr2(3MB) sdr2(72MB)	2010/04/20 10:19:29 (00:18 2010/04/19 23:10:03 (00:15 2010/03/31 09:24:59 (30:04 2010/03/31 08:54:58 (30:04	5) I.)				0:03 24:59 24:58
~ >	Select All Remove A	II Select Marked	Format:AVI	Ch	oose Folder	Start Backu	P
						1/1	
H 44	II b bb b i			-	A	B AVI JPG	S. 🖻
		PIC. 4.4-2-1 BA	ACKUP ALL	FILES TO A			

Click button. Selected file is indicated by icon. Click Choose Folder and choose the place for saving. After selecting Format: AVI, press Start Backup button to save as AV Backup completed massage appears in the screen once the process is done. Start Backup button to save as AVI files.

4.4-2-2 INDIVISUALLY CONVERTING TO AVI FILES



Click button and selected file will appear as PIC. 4.4-2-1. User can export a recording file to AVI format by selective section.

Click Export button to export the selected file.

4.4-2-3 CONVERTING DESIGNATED SECTION TO AVI FILE



PIC. 4.4-2-3 CONVERTING DESIGNATED SECTION TO AVI FILE

button to designate the start point and select the end point of AVI converting file by clicking

button. After starting point and end point is designated, 🖾 marks display on the bar.Click button to complete converting to AVI file selectively.

Click

4.4-3 CONVERTING to WMV FILE

MICRO Delaver			»? 5 K	_ 🗆 ×
		LIS	T CALENDAR	INFO
Backup (Backup	to D:\DATA\)			× 19:29
 ak020473.sdr2(4MB) ak019137.sdr2(3MB) ak003306.sdr2(72MB) ak003305.sdr2(72MB) 	2010/04/20 10:19:29 (00:18) 2010/04/19 23:10:03 (00:15) 2010/03/31 09:24:59 (30:04) 2010/03/31 08:54:58 (30:04)			24:59 54:58
< > Select All Rei	move All Select Marked Format:WMV	Choose Folder	Start Backup	
			1 / 1 M E	Þ
III (S. E

PIC4.4-3-1 CONVERTING to WMV FILE



Start Backup

Choose Format WMV and press button to start backup button to start backup button to start backup button to start backup as WMV file.

5. BACKUP



PIC 5.1 BACKUP

'Thumbnail Circle' turns to white once user selects the thumbnail check button. Click witton.

MICR	20 D PLAYER				Ð	? 5 <	_ 🗆 ×
					LIST	CALENDAR	INFO
					11 12 1	2010-04-20	0 10:19:29
	Backup (Bac	kup to D:\DATA\)					
	O ak020473.sdr2(4MB)	2010/04/20 10:19:29 (00:18)					
	O ak019137.sdr2(3MB)	2010/04/19 23:10:03 (00:15)					0:03
	ak000703.sdr2(1MB)	2010/04/05 17:27:04 (00:39)					
	O ak000701.sdr2(72MB)	2010/04/05 16:40:38 (30:04)					M
	ak000700.sdr2(72MB)	2010/04/05 16:10:31 (30:04)					
	© 0000699.sdr2(72MB)	2010/04/05 15:40:24 (30:04)					7:04
	k000698.sdr2(72MB)	2010/04/05 15:10:17 (30:04)					
	ak000697.sdr2(72MB)	2010/04/05 14:40:09 (30:04)					
	ak000696.sdr2(72MB)	2010/04/05 14:10:02 (30:04)					
	ak000695.sdr2(72MB)	2010/04/05 13:39:55 (30:04)					D:38
	ak000694.sdr2(61MB)	2010/04/05 13:04:08 (25:45)					
	O ak000693.sdr2(72MB)	2010/04/05 12:34:01 (30:04)					
	O ak000692.sdr2(72MB)	2010/04/05 12:03:54 (30:04)					
	O ak000691.sdr2(71MB)	2010/04/05 11:33:48 (30:04)					D:31
	O ak000689.sdr2(17MB)	2010/04/05 10:12:52 (07:14)					
	O ak000688.sdr2(61MB)	2010/04/05 09:43:10 (25:46)					
	O ak000687.sdr2(1MB)	2010/04/05 09:41:07 (00:35)					0:24
	O ak003306.sdr2(72MB)	2010/03/31 09:24:59 (30:04)					0.24
	O ak003305.sdr2(72MB)	2010/03/31 08:54:58 (30:04)					
	O ak003304.sdr2(72MB)	2010/03/31 08:24:55 (30:04)					
	O ak003303.sdr2(72MB)	2010/03/31 07:54:51 (30:04)					D:17
	< > Select All	Remove All Select Marked	Format:SDR2	Choose Fold	er St	art Backu	2 1
				1		1/3	•
					A N	1 E	Т
	IA 44 II > 1	>> > I 🗓 🗖			В	AVI JPG	es 🖻
1							

PIC5.2 BACKUP

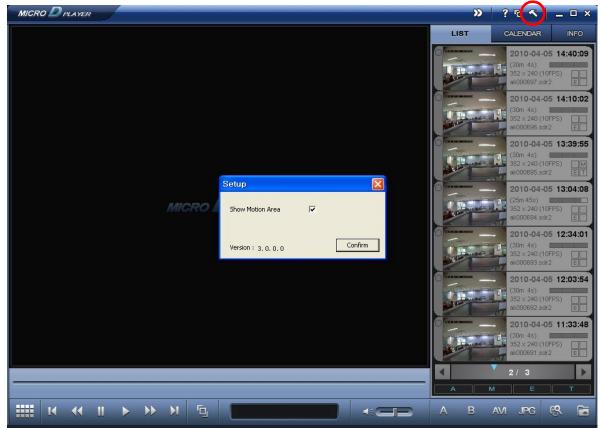
Select All	Choose all the files
Remove All	Undo the 'Select All'
Select Marked	Book mark
Format:	Choose the format for exporting ; SDR2/ AVI/WMV file

Selected file is indicated by o icon. Designate the files for saving after clicking	^{ose Folder} button.
After selecting WMV, press Start Backup button to save as AVI files.	
Once procedure starts, progress appears on the screen in red as	
Check the backup file from designated area after whole process is completed	

Check the backup file from designated area after whole process is completed.

6. SETUP MOTION

6.1-1 DISPLAY MOTION



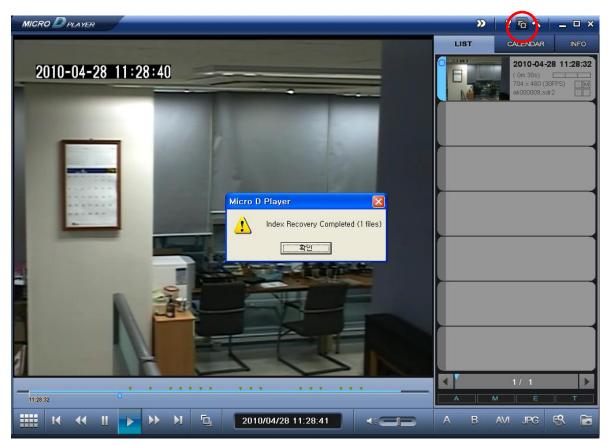
PIC. 6.1-1 DISPLAY MOTION



Click setup button and check and check for activate the motion mark. Check the checkbox' to activate the motion mark and 'confirm'

Red motion marks appear on the screen whenever there is movement during playback the selected file. To remove the motion marks, undo the checkbox and click

6.1-2 FILE INDEX RENEW



PIC 6.1-2-1 FILE INDEX RENEW

Press button as shown in [Pic.6.1-2].

The 'FILE INDEX RENEW tool' has the same function as <u>'SUB MENU>FILE INDEX RENEW'</u> provided as OSD menu from MICRO DVR.

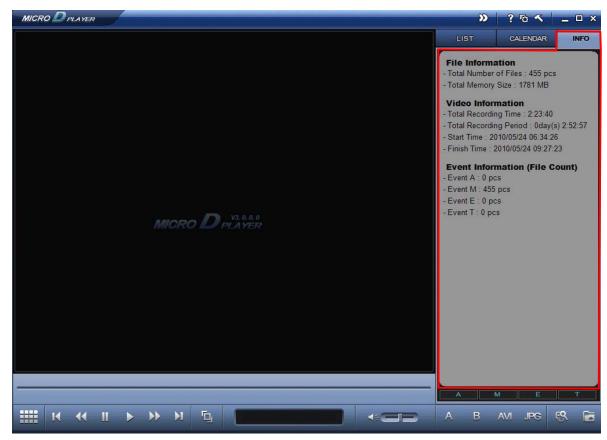
The index file is automatically generated and stored in the SD card when inserted into the Product.

If the index file does not match the files with stored files in the SD card, click to synchronize. While synchronizing, the process percentage is displayed on the screen.

INFO

7. LOADED FILE INFORMATION

To check the MICRO D PLAYER's data information, click



PIC 7.1 MEMORY INFORMATION

The information of current data appears. You can check;

- A. File Information
- Total Number of Files
- Total Memory Size
- _
- B. Video Information
- Total Recording Time
- Total Recording Period
- Start Time
- End Time
- C. Remove individual files. Event Information(File Count)
- Event A
- Event M
- Event E
- Event T

8. ERROR MESSAGE

			»	? 🗟 🔨 💶 🗆 🗙
			LIST	CALENDAR INFO
Mine D Bla				
Micro D Pla	yer	X		
	in order to restore index file, please open the target folder first.			
	·····		-	
	확인			
				0/0
			Real Property of the International P	
III K ({ II > >> >I			A B	AVI JPG 🕵 🛅

PIC 8.1 ERROR MESSAGE

If user clicks button without choosing the appropriate folder in which SDR files are existed dialog message is shown as [Pic 8.1]