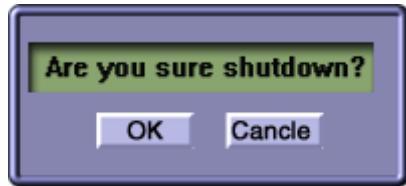


1. Power On

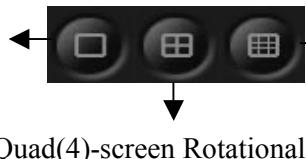
1. To check your camera image, You should turn on cameras, monitor, sensor, etc, before you turn on iDRS-3000.
2. Turn on iDRS-3000.
[POWER] lamp will light on, disk check(red LED) blinks then WINDOWS 98 starts. After booting main screen will appear as follows.
3. Main Screen



- 1) Activated icon will be turned green and show TIP of each icon, when mouse pointer get close to each icon. Inactivated icon will be turned yellow.
- 2) When consecutive recording, red lamp is displayed in OSD(Camera Name).
- 3) When motion recording, blue lamp is displayed in OSD(Camera Name).
- 4) When sensor recording, yellow lamp is displayed in OSD(Camera Name).
- 5) When [Record] lamp is on and off, it is consecutive recording, [Motion] lamp is on and off, it is motion recording, [Sensor] lamp is on and off, it is sensor recording.
- 6) Put your mouse pointer to image screen, click left button to enlarge corresponding screen. And click right button to extend to full screen.
- 7) Click right button in full screen mode to back to main screen.
- 8) [System Shutdown] If you click this icon, confirmation message will appear as follows.
If you select [OK] system will be shut down and automatically power OFF.



9) Single-Screen Rotational Display



→ All-Channel Display.

Quad(4)-screen Rotational

10) [Motion Tracer] Enlarge a screen in which the motion is detected.

11) [Set up] Change iDRS-3000 set up configurations. (Refer to the '2. Set up Change')

12) [Image search/Playback] Search recorded image. (Refer to the '3. See * 3. Image Search')

13) [Camera ON/OFF] Camera ON/OFF icon. When P/T control select camera as 13).
If you click this icon power off the corresponding camera.

14) Camera Pan/Tilt Control Button.



[◀ - left / ▶ - right / ▲ - up / ▼ - down]

15) [Zoom] Control motorized zoom lens.

Zooming In ← → Zooming Out

16) [Focus] Control camera lens focus.

Focus gets closer. ← → Focus gets further.

17) [Light ON/OFF] Control Lighting Equipment.

18) Clock : Indicate present time and date.

19) In case you need to shut down the system by force, push POWER button for 4-5 seconds. But shutting down by force may cause fatal damage to the system itself and data. Please always use [Shut Down] button.

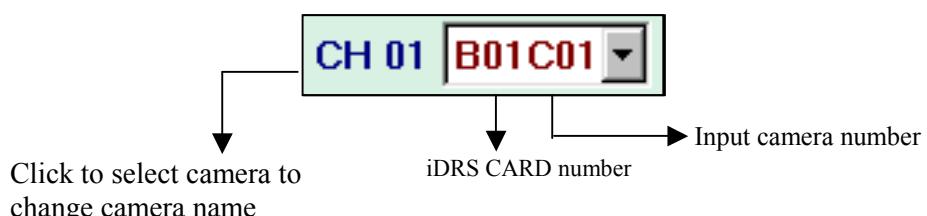
2. Set up change ()

1)  [Camera set up]



► Put each camera name for OSD(On-Screen Display) zone.

► Set up each camera.

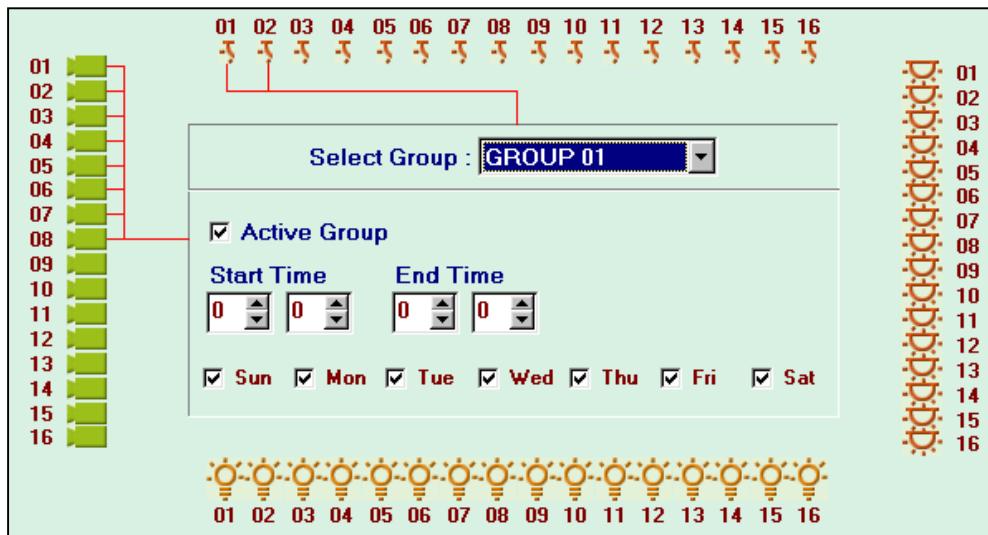


► If you click  system will automatically detect connected camera.

► [TOTAL BOARD] : Show total number of iDRS-CARDS.

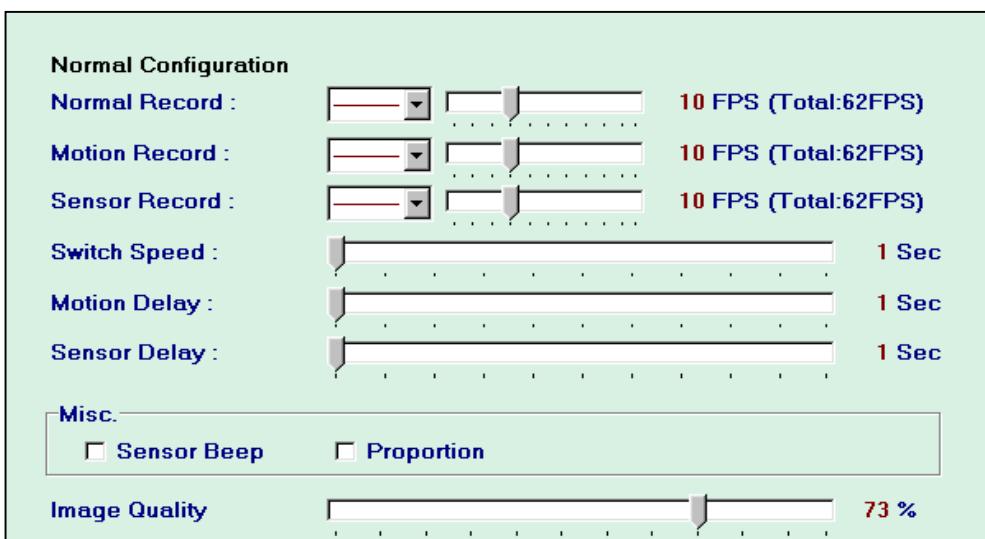
► [TOTAL SPEED] : Show maximum recording speed.

2)  [Schedule]



- ▶ Set up each group. Total 10 groups are available (programmable)
 - Select group.
 - Set the days of the week.
 - Connect cameras, motion detectors(software sensor), (external) sensor and D/O.
- ▶ If you want to record specific time, please designate [START TIME], [END TIME].
 - 00:00 to 00:00 means whole day(24 hours) recording.]
- ▶ After designation, active corresponding group.
- ▶ Automatically connect Set up date, Camera, Sensor, D/O by click. It is not saved with disconnected camera, sensor, D/O, and also disconnected date.(click once again to disconnect.)

3)  [Recording Speed]



- ▶ Designate normal recording speed (Frame Rate).

(Separate frame rate for each camera is available.)

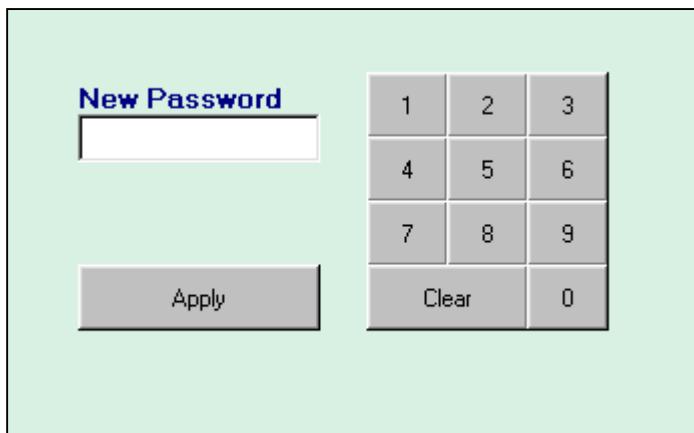
- ▶ Designate motion-detected recording Frame Rate.
(Separate frame rate for each camera is available.)
- ▶ When sensor recording designate camera FRAME.
(Separate frame rate for each camera is available.)
- ▶ [Switch Speed] : Adjust interval for rotational display model.
- ▶ [Motion Delay] : Keep on recording after motion detection is finished, during indicated time.
- ▶ [Sensor Delay] : Keep on recording after sensor detection is finished, during indicated time.
- ▶ [Sensor Beep] : Activate BEEP sound on sensor detection.
- ▶ [Proportion] : When activated, only 1, 4, 9, 16 divisions are available, to keep the horizontal and vertical ratio of each screen.
- ▶ [Image Quality] : Adjust compression rate. At 100% quality, recorded image is clear and vivid but the size of a frame is bigger (15-20KB). At lower percentage (higher compression rate) image quality is relatively low but size of a frame is smaller (3-8KB). 34-50% is recommended.

(4)  [Motion] Motion Detector configuration



- ▶ Set up motion detection zone. It would be seen in red square (Maximum 10 areas per camera).
- ▶ If motion detector is connected in 'Schedule' menu but no detection zone is defined, system will recognize whole screen as a detection zone.
- ▶ When motion recording mode, detection BEEP sound can be activated/inactivated.
- ▶ Detected motion is seen in blue unit square, and indicating red 'MOTION DETECTON'.
- ▶ [SENSITIVITY] : Setting sensitivity of software motion detector
 - At high sensitivity even the very trivial motion will detected.
 - Adjust it to proper level. (30% - 40% is recommended)
- ▶ **Clear ALL Block** Delete all motion detection zone.

5)  [Password]



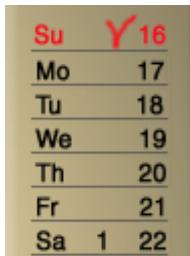
- ▶ Set up password, to prevent other person than operator from changing setup.
- ▶ If you set up new password click [APPLY] to use new password.
- ▶ Please do not forget password.
(Set up change is impossible)

6)  [Close Set up] : Back to main screen.

3. Image Search()



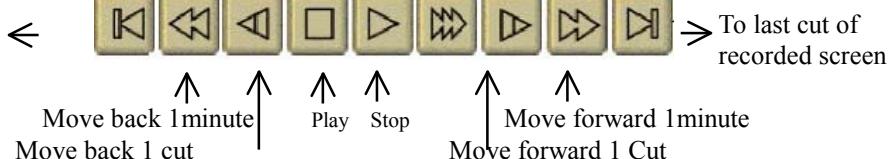
1) [Camera(Channel) Number] : Select camera number to playback.

2)  [Date select] : Recorded date is checked with red mark automatically.
Click date to search.

※ Previous Month   - Next month

If there is no recorded data in other month(s) month selection buttons are inactivated.
High speed Playback

To first cut of recorded screen



3) Playback Screen adjustment

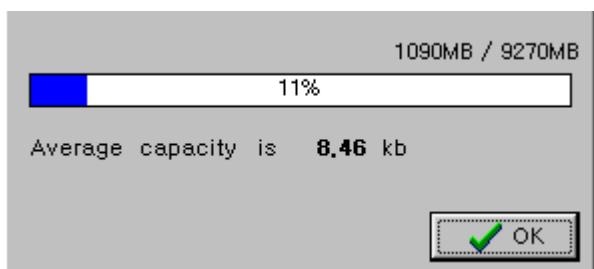
 : Contrast of search screen. (  Level control)

 : Brightness of search screen. (  Level control)

4) Other functions

Low level   High level

 [Media information] Check available disk capacity and frame size.



Disk capacity is 9270MB, recorded capacity is 1090MB. 11% is used. Average recording capacity is 8.46KB. So the expected recording period is about 13 days (311 hours 40 minutes).



[FDD backup] Save present screen in image file (JPG or BMP) to the floppy disk.

※ In 1 FDD about 100 image cuts can be saved by JPG file or 30 cuts by BMP file



→ BACK-UP 1 cut, now seen in monitor by JPEG file in Floppy disk.

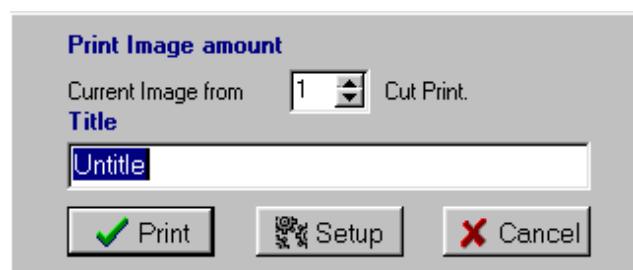


[Print] Print out present image. Stop the image to print and click.

Selected screen is printed by printer.(Continuous print is available for 30 cuts)

Time stamp (YYYY/MM/DD HH:MM:SS) will automatically be included.

Assigning cut name and printing is available, click [set up] to set up printer driver



→ PRINT OUT 1 cut from present image without name.



[Time search] Select time(hour, minute) for fast and accurate search/playback



« **s** : Start Search»



[Close Play-Back Screen] Back to main screen.

iDRS-3000 Hardware System Requirements

ITEM	Minimum	Recommended	Not Recommended
CPU	Pentium-II Celeron 600 MHz	Pentium-III 550 MHz (or Higher)	AMD Athlon (Not Tested)
MAIN BOARD	Intel 440BX	Intel i815E Intel i820	SiS, Via Chipset
RAM	64 MB	> 128 MB	< 64 MB
HDD	15 GB	> 30 GB	< 10 GB
VGA	AGP 8M (Savage 3D)	Savage 3D, Savage 4 Pro Ati-Series, Matrox	Riva TNT Series, i740 Voodoo Series

iDRS-3000 Installation Procedure

1. Booting and HDD Format

- 1) Prepare a Windows-98 bootable floppy diskette. Booting the system from FDD.
- 2) Execute **FDISK.COM** and make three partitions as follows :
 - A. Primary Partition (C:) : For Windows and iDRS program (500MB – 1 GB)
 - B. Extended Partition : For recording.
 - C. Logical Partition (D:) : For Sound recording (About10GB, assuming that the HDD is 45GB)
(Even in case the sound recording is not necessary, this drive must be partitioned. For example, 200MB – 500MB)
 - D. Logical Partition (E:) : For Video recording. All the remaining capacity.
 - E. All the drives after E:, if exist owing to the HDD expansion, are recognized as Video recording partition.
 - F. Be sure to make the primary partition as Active (Bootable) partition.
- 3) Reboot and Format Drive C:, D:, E: ... (Formatting in DOS mode is recommended.)

II . Windows 98 Setup

- 1) Insert Windows 98 CD in your CD-ROM Drive and execute **SETUP.EXE**.
- 2) Proceed setup process, no special operation required.

III . Install VGA driver

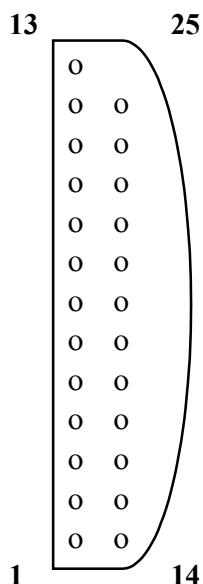
- 1) Insert VGA device driver (CD or Disk, provided by VGA card manufacturer) and install the same. Please refer to the VGA manual, for this step.
- 2) Execute **CONTROL PANEL**.
- 3) Open **DISPLAY**.
- 4) Set the video display mode as : resolution 800 x 600, True Color (32 bit)
- 5) Disable power saving function, to prohibit the monitor from getting into the power saving mode.
 - A. Software setting : **CONTROL PANEL -> POWER MANAGEMENT**
 - B. Hardware setting : **POWER MANAGEMENT** menu in CMOS setup

VI . Install iDRS-3000 Software

- 1) Insert iDRS-3000 (CD or Disk) and run **SETUP.EXE** and proceed as instructed by setup wizard.
- 2) Reboot the system. The system automatically detects capture board(s) and shows camera detection screen.
※ In some main boards, there can be a problems in rebooting. In that case,
 - A. **START** menu -> **RUN** -> Type “**REGEDIT**” and click **OK**
 - B. Go to **HKEY_LOCAL_MACHINE -> SYSTEM -> CurrentControlSet -> Control -> Shutdown**
 - C. Toggle “**FastReboot**” (If the default is 1, make it 0. & default is 0, make it 1)
 - D. If the system is already running the iDRS software, you can execute Task Manager by double-clicking the clock in lower part of the main screen. Then execute **Explorer** or **Regedit**.
- 3) To avoid any possible unstableness, iDRS software is automatically started on system booting and shut down system on its closing. In case the user wants to access windows :
 - A. During booting, push F8 key and start system by ‘Command Prompt Only’ mode.
 - B. Execute ‘Edit.exe’ and open system.ini in C:\Windows folder
 - C. Disable (or delete) the line ‘shell=c:\zealot\standby.exe’

IDRS-3000

Sensor Connector Pin



Pin	Description	Color	Pin	Description	Color	Pin	Description	Color			
1	Sensor 1	BLK	9	GND	BLK	14	D/0 1 NC	WHT			
2	Sensor 2	BRW	10	GND	BLK	15	D/0 1 COM	GRY			
3	Sensor 3	RED	11	GND	BLK	16	D/0 1 NO	BLU			
4	Sensor 4	ORG	12	GND	BLK	17	D/0 2 NC	WHT			
5	Sensor 5	YEL	13	GND	BLK	18	D/0 2 COM	GRY			
6	Sensor 6	GRN				19	D/0 2 NO	YEL			
7	Sensor 7	BLU				20	D/0 3 NC	WHT			
8	Sensor 8	PUR				21	D/0 3 COM	GRY			
						22	D/0 3 NO	ORG			
						23	D/0 4 NC	WHT			
						24	D/0 4 COM	GRY			
						25	D/0 4 NO	PUR			