

Color Quad Processor

User's manual

Please read carefully the user's manual before uses

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I .Instruction

1.Introduction

Thank you for using the product, 4 Channel Digital Multiplexer. Which is a new product with powerful functions. In this operation manual will introduce this product's special feature, installation and control method, try to help you understand the product in deep and quickly.

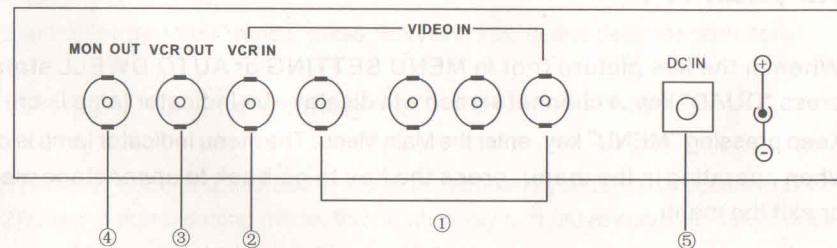
SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE.

2.Features:

- a)Screen display, date, time, alarm event, video loss and camera title
- b)Loss warning
- c)Live picture freeze
- d)Camera title setting
- e)Auto dwell
- f)Camera picture quality setting
- g)4×Zoom picture playback
- h)Motion detection alarm and programmable motion for each channel

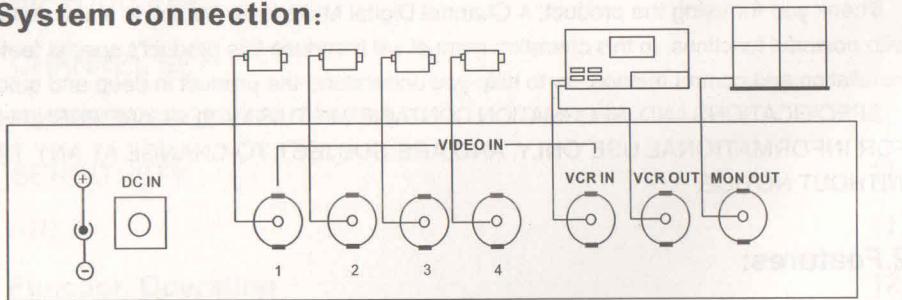
II .Connection

1.Rear layout:



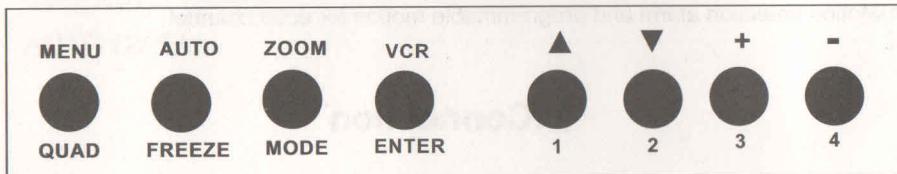
1. Video signal input. Four video input connectors, may connect four cameras or other standard video signal source.
2. VCR connector. Connect VCR output, playback picture and display live picture.
3. Quad out. Connect VCR input, recording the live picture.
4. Monitor out. Connect Monitor video in, display camera live picture.
5. DC Adapter input, (DC12V/1A).

2. System connection:



III. Front Panel buttons and functions

1. Front panel layout:



2. QUAD [MENU] :

- (1) When in the live picture (not in MENU SETTING or AUTO DWELL state), press "QUAD" key, 4 channel screen will display, the indicator lamp is on.
- (2) Keep pressing "MENU" key, enter the Main Menu. The menu indicator lamp is on.
- (3) When operating in the menu, press the key to go back to upper stage menu or exit the menu.

3. AUTO [FREEZE] :

- (1) When in other mode but not menu mode, press "AUTO" key, the AUTO indicator light on, the screen will be on AUTO DWELL mode, press the "AUTO" key again, the indicator light will be off, Auto dwell will be canceled.
- (2) When in the live picture PIP mode, press this key, the sub picture will be on AUTO DWELL in except of main picture.
- (3) When in 4 channel picture mode or full picture mode, press this key, "FREEZE" indicator lamp is on. The picture will be at each channel picture freeze state, on the screen will be show "F1234", and "1234" is undertone. Press CH1, CH2, CH3, CH4 key, the corresponding "1", "2", "3", "4" picture will freeze. The up_left of the screen will fresh. Press the key again, the picture will resume.

4. MODE [ZOOM] :

- (1) When in the live picture, press "MODE" key, picture cycles in PIP1→PIP2→PIP3→POP→QUAD→to change.
- (2) Keep press this key, enter the zoom function, ZOOM indicator lamp is on. Can be use ↑ ↓ ← → key to adjust the area. Then press AUTO key, the area of choice will be 4x original.
- (3) In the zoom function, keep press CH1, CH2, CH3, CH4, it will be zoom opposite channel picture.
- (4) Press ENTER key to resume the choice status.
- (5) Press ZOOM or QUAD key resume.

5. VCR [ENTER] :

- (1) When in the live picture, press this key, the play indicator lamp is on, you will see the VCR quad picture and the screen display "VCR IN" on the screen. But no other characters display on screen.
- (2) In the "MENU SET" mode, press "ENTER" key, select desired menu item.

6. "1", "2", "3", "4"(namely "▲", "▼", "+", "-")

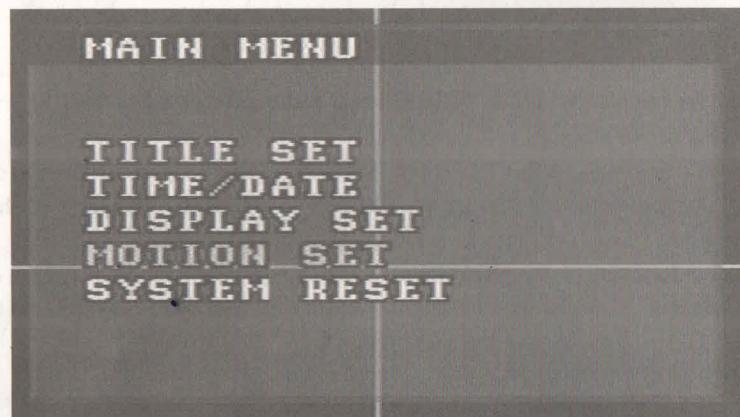
- (1) When in 4-screen splitter display mode, the number key can display opposite channel picture.
- (2) When in menu setting mode, the number key can move cursor to select desired item or to change the particular values setting.

IV. MENU SETUP

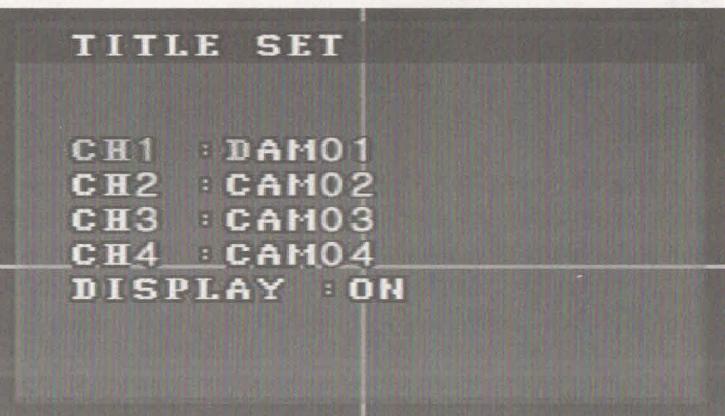
When choose among the menu setting and other settings, press (↓) and (↑) to move the cursor among selectable items up and down, press (+) and (-) to change the particular values setting. Press [←] key to enter the Sub-Menu.

Press "ENTER" key to enter the Sub-Menu after choosing one item in the menu. After or during the process of settings, press "EXIT" to save setting parameters and go back to upper stage menu. If already in the main menu state, press "EXIT" to go back to the splitter state before entering the main menu.

When in the live or playback mode, keep press "MENU" key for a long time, the screen display as follows:

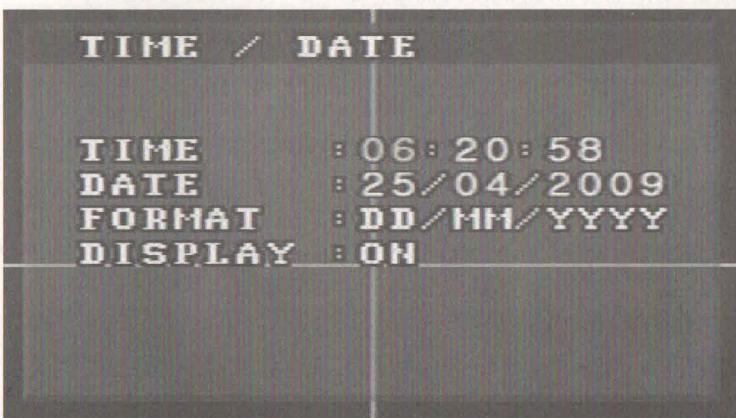


TITLE SET In the main menu, choose "TITLE SET" menu, then press "ENTER" key to enter. Press the (↑), (↓) key for down, up and press (+)/(-) key to change particular setting.



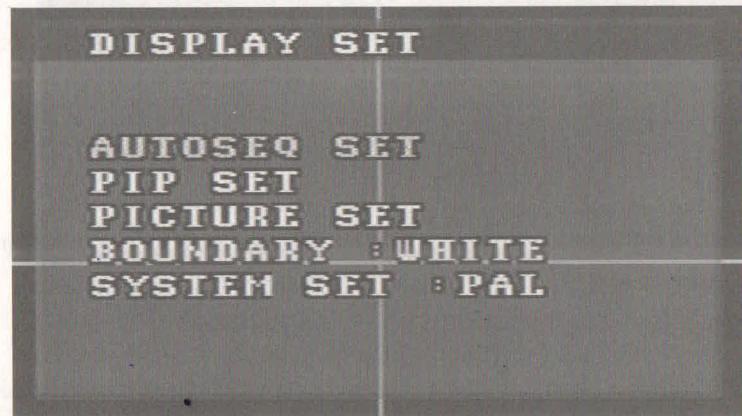
- CH1~CH4: Camera title compilation, random combination of 5 characters includes Alphabet, Numerical and Symbol.
- DISPLAY: Camera title display switch. [ON for open, OFF for close].

TIME/DATE SET In the main menu, choose "TIME/DATE SET" menu, then press "ENTER" key to enter. Press the (↓), (↑) key for down, up and Press (+)/(-) key to change particular setting.



- TIME :SYSTEM TIME, HH/MM/SS(H/M/S).
- DATE :SYSTEM DATE, YYYY/MM/DD(Y/M/D).
- FORMAT :DATE FORMAT [YYYY/MM/DD; MM/DD/YYYY; DD/MM/YYYY].
- DISPLAY :System time and date display switch [ON for open, OFF for close].

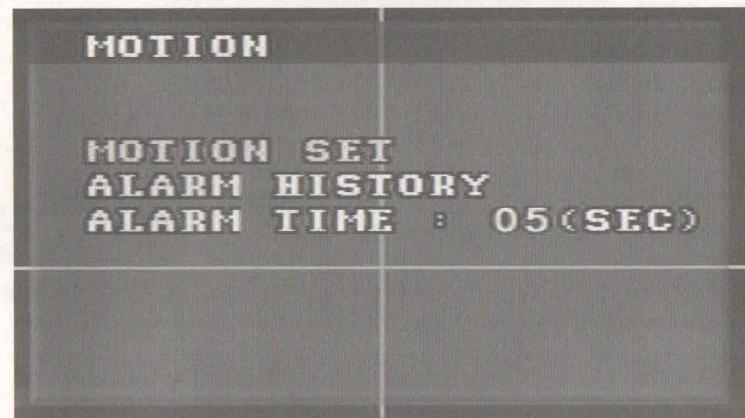
DISPLAY SET In the main menu, choose “DISPLAY SET” menu, then press “ENTER” key to enter. Press the (↓),(↑) key for down, up and press (+)/(-) key to change particular setting.



- AUTOSEQ SET: Auto dwell time setting [Refer to “AUTOSEQ SET”].
- PIP SET : PIP setting [Refer to “PIP SET”].
- PICTURE SET : Camera picture quality setting [Refer to “PICTURE SET”].
- BOUNDARY : Border color setting[WHITE, GRAY, BLACK, OFF].
- SYSTEM SET : System format setting [NTSC,PAL].

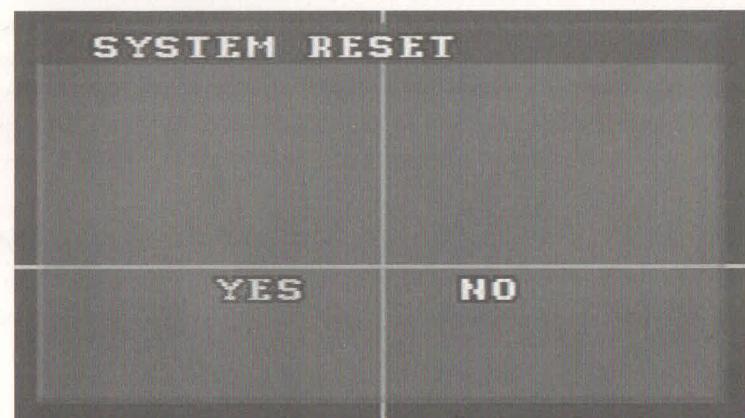
Press “MENU” key to return to upper menu after setting.

MOTION SET In the main menu, choose “MOTION SET” menu, then press “ENTER” key to enter. Press the (↓),(↑) key for down, up and Press (+)/(-) key to change particular setting.

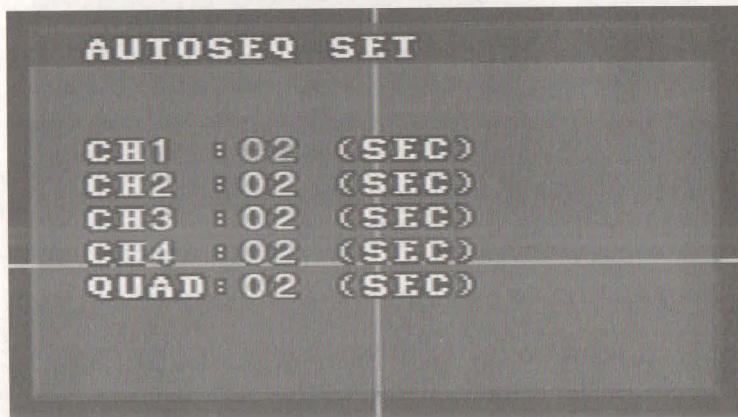


- MOTION SET : Motion setting, [Refer to “MOTION SET”].
- ALARM HISTORY: Alarm history display, press “Enter” key to enter ALARM HISTORY menu.
- ALARM TIME : Alarm time setting [1~99sec].

SYSTEM RESET In the main menu, choose “SYSTEM RESET” menu, then press “ENTER” key to enter. To change the machine to default setting, please choose “YES” and then, press “ENTER” key to confirm. To cancel changing the default setting, please choose “NO”, then press “ENTER” key.

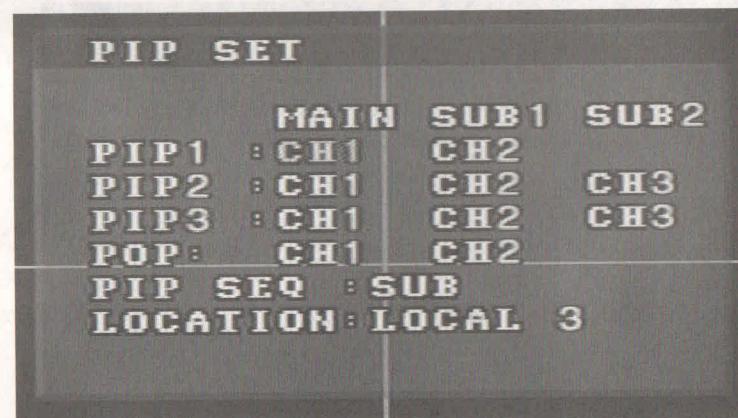


AUTOSEQ SET In DISPLAY SET menu, choose "AUTOSEQ SET" menu,then press "ENTER" key to enter. Press the (↓),(↑) key for down, up and press (+)/(-) key to change particular setting.



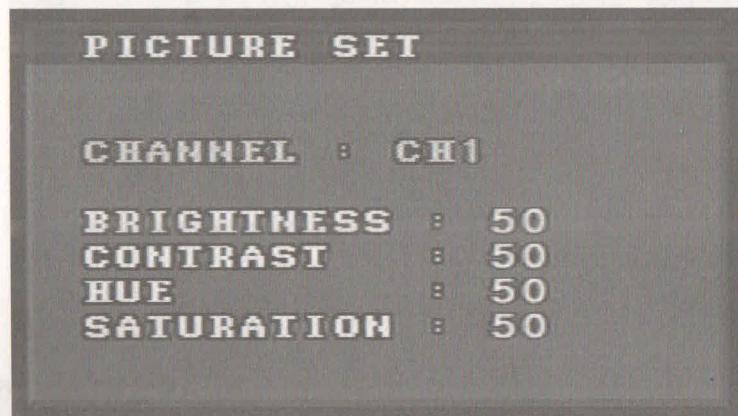
- CH1~CH4:Opposite channel auto dwell time setting [1~99sec].
- QUAD :Quad auto dwell time setting [1~99sec].

PIP SET In DISPLAY SET menu, choose "PIP SET" menu, then press "ENTER" key to enter. Press the (↓),(↑) key for down, up and press (+)/(-) key to change particular setting.



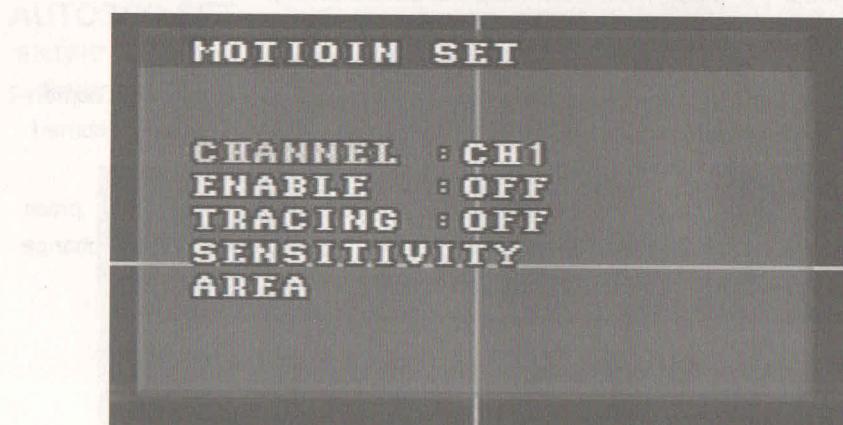
- PIP1~PIP3:In PIP mode, main picture and sub picture setting.
- POP :In POP mode, left picture and right picture setting.
- PIP SEQ :In PIP mode, auto dwell picture setting. [SUB,MAIN].
- LOCATION :In PIP1 mode, sub picture position setting [LOCAL 1:bottom right corner; LOCAL 2: bottom left corner; LOCAL 3: top left corner; LOCAL 4: top right corner].

PICTURE SET In DISPLAY SET menu, choose "PICTURE SET"menu, then press "ENTER" key to enter. Press the (↓),(↑) key for down, up and Press (+)/(-) key to change particular setting.



- CHANNEL :Channel selecting.
- BRIGHTNESS :Brightness setting. [0~99].
- CONTRAST :Contrast setting. [0~99].
- HUE :HUE setting. [0~99].
- SATURATION :Saturation setting. [0~99].

CHANNEL SET In main menu, choose "MOTION SET" menu, then press ENTER" key to enter. Press the (↓),(↑) key for down, up and Press (+)/(-) key to change particular setting.



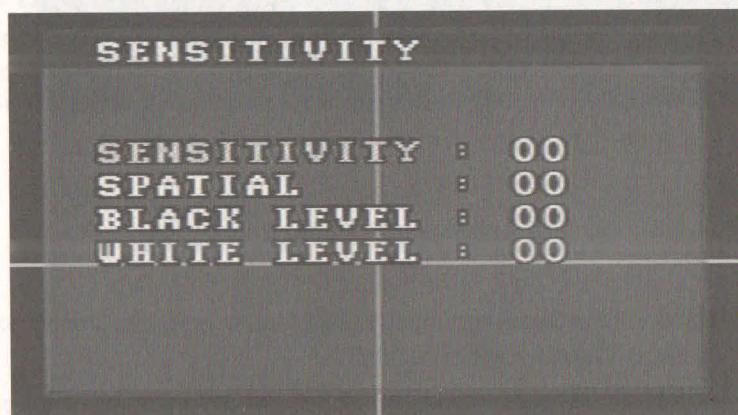
- CHANNEL : Channel selecting [CH1~CH4].
- ENABLE : Alarm switch [ON for open, OFF for close].
- TRACING : Alarm cells display switch,[ON for open, OFF for close].
- SENSITIVITY : Press "Enter" key to enter "SENSITIVITY" menu.
- AREA : Press "Enter" key to enter "AREA" menu.

ALARM HISTORY In "MOTION" menu choose "ALARM HISTORY" menu, then press "ENTER" key to enter "ALARM HISTORY" menu.

ALARM HISTORY PAGE 1			
L	CH4	2009/04/25	05:54:38
L	CH3	2009/04/25	05:54:38
L	CH2	2009/04/25	05:54:38
L	CH1	2009/04/25	05:54:38
P	---	2031/22/13	90:34:65
L	CH4	2009/04/25	05:53:39
L	CH3	2009/04/25	05:53:39
L	CH2	2009/04/25	05:53:39
L	CH1	2009/04/25	05:53:39
P	---	2031/22/13	90:34:65

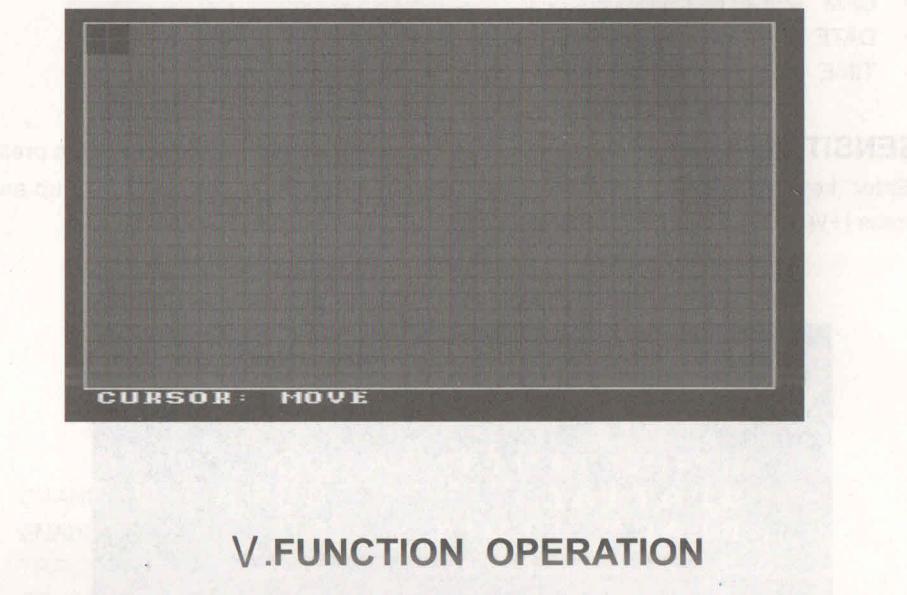
- EVENT : Event [P, power on or off ; L, loss; M, motion].
- CAM : Channel NO.
- DATE : Alarm date.
- TIME : Alarm time.

SENSITIVITY In "MOTION" menu choose "SENSITIVITY" menu, then press "Enter" key to enter "SENSITIVITY" menu. Press the (↓),(↑) key for down, up and Press (+)/(-) key to change particular setting.



- SENSITIVITY: Sensitivity setting 00—99.
- SPATIAL : Spatial setting 00—99.
- BLACK LEVEL: Alarm black level setting 00—99.
- WHITE LEVEL: Alarm white level setting 00—99.

AREA In "MOTION" menu choose "AREA" menu, Press the (↑),(↓) key for down, up and Press (+)/(-) key to move the cursor.Press "FREEZE" key setting cursor is "MOVE"、"SET"、"CLEAR".



V.FUNCTION OPERATION

LOSS ALARM When the camera signal is lost, buzzer alarm (programmable) and alarm output will occur and the character "LOSS" flash:

MOTION ALARM If motion detection is open, the picture on screen is change, Buzzer alarm and alarm output will occur.

Alarm Confirm It includes manual and automatic ways.Under the menu set and playback status you must wait for the system automatic confirmation(you may confirm the alarm prompt character by manual ,otherwise the prompt will continual).Without the manual operation, the system will confirm automatically in the alarm time.

(1)Buzzer alarm confirm: Under the alarm confirm status,press any key to stop alarming. If there are other alarm in the alarming time section, it will not cause the buzzer alarm. But if the alarm is after this section, the buzzer will alarm.(Set the alarm time in the "SYSTEM SET"menu).

(2)Alarm prompt character confirm: Under the current division status,if the alarm appear, press the button for one time to clear the character. If press "1","2","3","4" key arbitrarily, you may clear the current channel's character and stop the indicator light. Under the continual alarm status,if press the corresponding numeral key, the alarm display character will be cleared and the indicator light will be stopped,but it will be resumed in some time.

PLAYBACK(VCR) When in the live state, and not in the Menu、AUTO setting, press "PLAY(VCR)" key, the indicator lamp is on ,the processor begins to play. When in the playback mode, press "PLAY" key, the indicator lamp is off, the processor returns to live state.

PICTURE FREEZE When in 4 channel picture mode, press the "FREEZE" key, "FREEZE" indicator lamp will be on, the picture will be at each channel picture freeze state, press "1"、"2"、"3"、"4" key, will freeze he corresponding "1"、"2"、"3"、"4" camera picture. The character "1", "2", "3", "4" on screen will flash. And press any number key to release screen freeze state.

AUTO DWELL When in the live state, keep press "AUTO" key, the indicator lamp is on, the screen will be in auto dwell state of big picture, the indicator lamp of the corresponding picture is on.It dwells according to the scheduled time automatically. You can set the dwell time of every picture in the "AUTO TIME" of "CAMERA SET". Press "AUTO" key again to cancel the auto dwell state.