

Real-Time Color Quad Processor

GS-C4CQR

Operation Manual



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I. SYSTEM FEATURES

1. Connect the 1-4 line video Signal of camera and then brightness, saturation, contrast color, HUE and sharpness.
2. High definition
NTSC mode:720x480, 60HZ PAL mode:720x576, 50HZ.
3. Mutiple display mode
Four pictures, two pictures, single pictures, PIP(picture in picture) automatic inverting mode.
4. High performance frozen function
Glitter picture catch.
5. High performance picture amplifying function
The area to be zooming in can be selected.
6. The various fonts folded information
The title of camera, real time display and warning date/video/moving detecting information.
7. The four pictures and single picture mode recycle
8. There are multiple mode:
Video loss detection, motion detection can keep over 60 reports, the built in buzzer.

II. THE FRONT PANEL INSTRUCTION



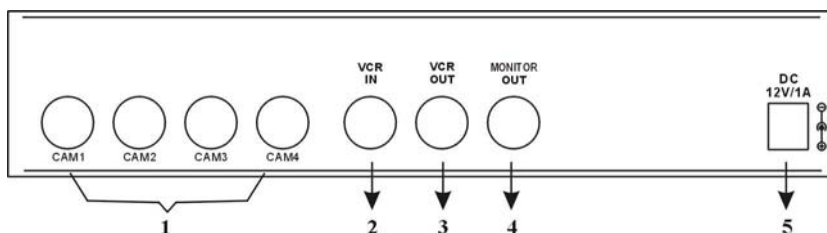
Note: (*L)-Press key continuously for about 2 seconds to enter menu options.
(**S)-Press key to enter menu options.

- | | |
|--|--|
| (1)MENU (*L): | Enter/exit main menu mode. |
| ESC (**S): | Escape to the previous display mode. |
|  (**S): | Enter QUAD display mode. |
| (2)AUTO (*L): | Auto Channel switching ON/OFF. |
| FREEZE (**S): | Press Freeze button to freeze/un-freeze display window. |
| (3)ZOOM (*L): | Enter/ exit ZOOM display mode. |
| | Press the "ZOOM"(*L) button will enter ZOOM in setup mode .The user can use the " ↑ ", " ↓ ", " - " and " + " buttons to move the ZOOM-in frame. To press the "ENTER" (**S) button will display the selected ZOOM area. Press the " ZOOM" (**L) button will return to previous mode. |

mode(**s): Change display mode, enter PIP mode. By default, the main window is set on channel1 and sub-window on channel 2. Press the "ENTER"(**S) button, when the main window is flashing, the user can press the "-"or"+"button to select the video channel for main window. Then press the "↑" or "↓" to select the video channel for sub-window. Press the "ENTER"(**S) button, when the sub-window is flashing, the user can press the "-"or"+"button to select the video channel for sub-window. After select press the "ZOOM"(**L) button again, the display will return to QUAD display mode.

- (5)CH1 (▣): Channel 1 Full display /Up direction button.
- (6)CH2 (▣): Channel 2 Full display /Down direction button.
- (7)CH3 (▣): Channel 3 Full display /Left direction /Decrease button.
- (8)CH4 (▣): Channel 4 Full display /Right direction/Increase button.

III. THE REAR PANEL INSTRUCTION



1. Camera Connection

Accept 4 composite video signals from the camera.

2. VCR IN Connection

Accept 1 composite video signal for playback from the VCR.

3. VCR OUT Connection

Provide 1 composite video signal for the main VCR recording.

4. Monitor Connection

Provide 1 composite video signal for the main monitor.

5. Power Jack Connection

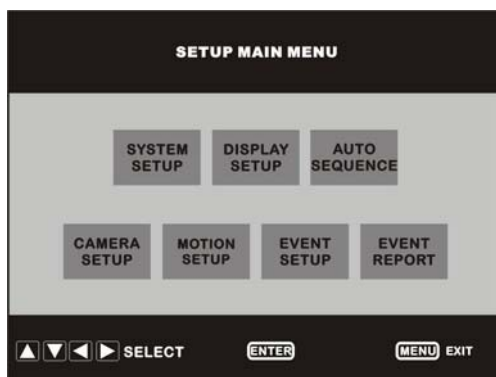
DC 12V/1A, 2.1mm Jack, center is positive.

When alarm occurs from only one channel, the corresponding channel will be displayed in full screen. For more than one alarm at the same time or the loss alarm occurs, screen mode will be changed to QUAD mode. The screen by alarm will be maintained during alarm hold time which is defined in setup menu. Regardless of alarm hold time, press any key to clear alarm mode. For multiple alarm input at the same time, the final alarm keeps alarm hold time.

IV. MENU

The steps: Under any mode in the spot, press the "MENU" key for a long time and you can enter to the main menu.

1.Menu setting and modifying ways: press "MENU" and enter the main menu and press "▽△"key to move the cursor to the selected items. Press "ENTER" key to enter confirm and press " ▽△ " key to horizontally. Press "-", "+"key is increase and decrease value. Press "MENU" key to exit.



4.1 SYSTEM SETUP

In the main menu mode use " ▽△ "key and select "SYSTEM SETUP", then press "ENTER" key to enter setting item.



- ①. DATE is date, year, month, day setting. TIME is time, hour, minutes and second setting.
- ②. SYSTEM is the patten setting of NTSC or PAL
- ③. KEY LOCK is lock of the front panel keys
- ④. FACTORY RESET: it is the factories

Note: Set the NO to YES and press ENTER key to confirm and reset

4.2 DISPLAY SETUP

In the main menu use " $\nabla\Delta$ "key and select "DISPLAY SETUP", then press "ENTER" key to enter setting item.

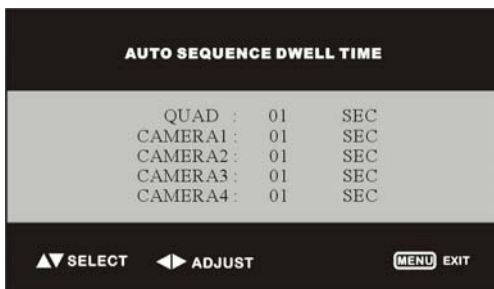


- ①. TITLE is the title switch of the camera
- ②. DATE the date switch
- ③. TIME is the time switch
- ④. SCREEN POSITION are the setting of coordinate division
- ⑤. Black is the black color and GRAY 1 is grey and GRAY2 is off white
OFF is division switch.

Press "MENU" key to exit.

4.3 AUTO SEQUENCE

In the main menu mode use " $\nabla\Delta$ "key to select "AUTO SEQUENCE", then press "ENTER" key to enter the setting item.



PAGE means the channel shift time of QUAD and CAM1-CAM4 pictures picture. Press "MENU" key to exit.

4.4 CAMERA SETUP

In the main menu use "▽△"key and select "CAMERA SETUP", then press "ENTER" key to enter setting item.



"TITLE" means the title setting mode. Press "-"+" and the font box will appear. You can change the title according to the word in the box
BRIGHTNESS CONTRAST SATURATION HUE SHARPNESS are adjustable brightness, contrast, hue and sharpness.
MIRRORING is the photo setting mode. when the setting is selected to be NO, the input signal will be displayed in with contrast direction. The default setting is OFF. Press MENU to exit.

4.5 MOTION SETUP

In the main menu mode use "▽△" key to select "MOTION SETUP", then press "ENTER" key to enter the setting item.



- ①. "DETECTION TIME" is the switch setting of the detecting time and it is available when the setting is in the state of "ALWAYS ON".
 - ②. SENSITIVITY means the sensitivity fo detection.
 - ③. MASKING AREA means the area coordinate of detection.
- Press "MENU" key to exit.

4.6 EVENT SETUP

in the main menu use the "▽△"key and select "EVENT SETUP", then press "ENTER" key to enter the setting item.

EVENT SETUP

BUZZER/REPORT CONTROL

CHANNEL	1	2	3	4
ALARM	■	■	■	■
LOSS	✓	✓	✓	✓
MOTION	■	■	■	■

BUZZER HOLD TIME : 05 SEC
 REPORT HOLD TIME : 30 SEC
 ALARM POLARITY: LOW

▲▼SELECT
◀▶ADJUST
MENU EXIT

- ①. ALARM(no function), LOSS and MOTION mean extended warning, video loss, and moving detection open /close setting.
- ②. BUZZER HOLD TIME means the extended time of buzzer alarm
- ③. REPORT HOLD TIME means the extended time of the recorded events.
- ④. ALARM POLARITY (no function) is the high and low voltage setting of the buzzer. Press "MENU" key to exit.

4.7 EVENT REPORT

in the main menu use "▽△" key and select "EVENT REPORT", then press "ENTER" key to enter setting item.

EVENT REPORT

1/6 PAGE

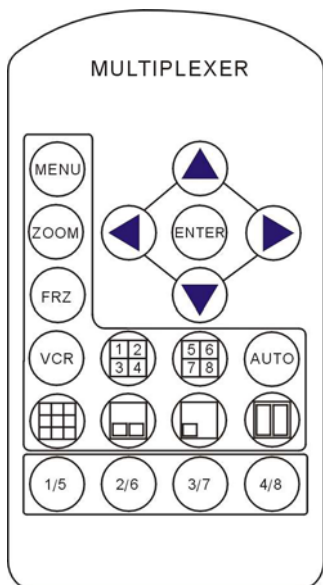
NO	DD-MM-YY	HH:MM:SS	CH	EVENT
01				
10				

LIST CLEAR :NO

▲▼SELECT
◀▶ADJUST
MENU EXIT

1. NO.DD-MM-YY HH:MM:SS, CH, EVENT are respectively are the type of number, date, time, passage and event.
2. LIST CLEAR is to clear all record
Note: Set NO to be YES and press "ENTER" to confirm and be empty.
The report are 6 pages in total 60 records can be recorded.

V. THE REMOTE CODE



Note:

The key operation for remote controller is same as that for the real-time color quad processor.

EXECUTION

"MENU"	MENU				
"ZOOM"	ZOOM				
"VCR"	VCR				
"FRZ"	FREEZE				
"AUTO"	AUTO				
" <table border="1"><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table> "	1	2	3	4	QUAD
1	2				
3	4				
"1/5"	CH1/SETUP UP				
"2/6"	CH2/SETUP DOWN				
"3/7"	CH3/SETUP LEFT				
"4/8"	CH4/SETUP RIGHT				

VI. TECHNIC SPECIFICATION

VIDEO STANDARD	PAL:50 fields/sec NTSC:60 fields/sec
Definition	PAL:720x576 NTSC:720x480
Video input	1.0Vp-p/75ohm BNC
Tape input	1.0Vp-p/75ohm input
Tape out	1.0Vp-p/75ohm output
Alarm mode	Video lost warning, moving detection warning
Video output mode	Full screen, electronic amplifying, four pictures, PIP and automatic
Working voltage	DC 12V/1A
Environmental temperture	-30℃-60℃