

COLOUR QUAD PROCESSOR

OPERATION MANUAL

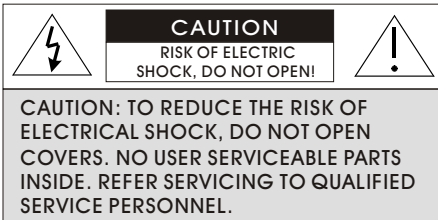
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IMPORTANT SAFEGUARDS

1. Read Instructions-All the safety and operating instructions should be read before the unit is operated.
2. Retain Instructions-The safety and operating instructions should be retained for future reference.
3. Follow Instructions-All operating and use instructions should be followed.
4. Overloading-Do not overload outlets and extension cords as this can result in a risk of fire or electric shock.
5. Safety check-Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

SAFETY PRECAUTIONS



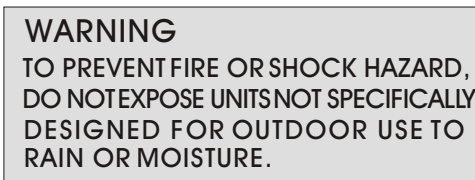
This label may appear on the bottom of the unit due to space limitations.



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



I Preface

Thank you for choosing our color digital processor!

Before installation and use, please read and understand Following Instructions for your safety:

Please install the product only after finding a suitable installment Place and do not install in the following place:

1. Extremely high or low temperature.
2. Heavy moisture such as rain, snow.
3. Near oil or gas.
4. Continuous vibration or collision.
5. Exposed to direct light or outdoor placement.
6. Strong magnetic or high voltage.

II Operation Cautions

1. For safety sake, do not disassemble the unit.
2. To check the voltage is right for the system.
3. To avoid sudden shock or rough operation.

Note: All parameters subject to change without notice!

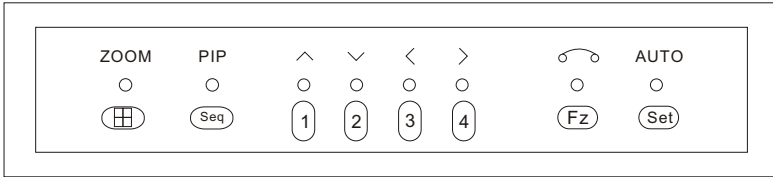
III Features and Functions

The processor is a high resolution, double system duplex processor.

1. Double System (PAL/NTSC) supportable.
2. Image freeze function.
3. Playback, complete real-time PAL 50 Fields/Sec, NTSC 60 Fields/sec.
4. Full duplex operation allows video recording while viewing live video or video playback.
5. 2X digital zoom function while playing back
6. Single channel full screen picture and four channel quad pictures automatically switch.
7. Can store up to 99-alarm event.
8. Intelligent pull-down menu
9. Brightness, contrast and chroma separately adjustable each channel.

IV Components

1. Control panel keys explanation:



Zoom/田 :

Zoom-Digital zoom mode

田-----Quad mode

To Press this key will enter the quad mode; stay pressing for 2 Seconds will enter digital zoom mode.

PIP/Seq:

Picture In Picture and image automatic switch.

↷/FZ

↷-----Playback mode

Fz-----Image freeze mode

To Press this key will enter image freeze mode, stay pressing for 2 seconds will enter playback mode.

Auto/Set:

Menu key

To Press this key will enter main menu. stay pressing for 2 seconds will escape the main menu.

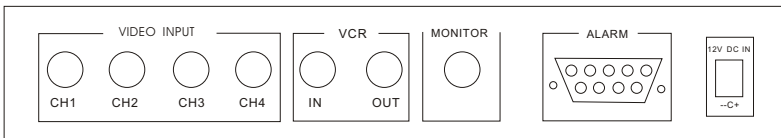
CH1: channel 1 full screen display/ move up

CH2: channel 2 full screen display/ move down

CH3: channel 3 full screen display/ move left

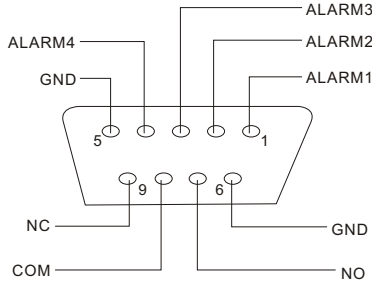
CH4: channel 4 full screen display/move right

2.The rear panel connectors:



- A. The VIDEO INPUT (CH1-CH4) connectors accept the signal from cameras.
- B. The MONITOR connector provides a video signal to monitor.
- C. The connector of VCR OUTPUT connected to the connector Of VCR INPUT provides a signal to VCR.

- D. The connector VCR INPUT connected to the connector VCR OUTPUT of VCR provides a signal to VCR.
- E. Operation Voltage DC12V
- F. DB9 connector explanation:



Explanation of each part:

Pin	Value	Pin	Value
1	ALARM1	6	GND
2	ALARM2	7	NO
3	ALARM3	8	COM
4	ALARM4	9	NC
5	GND		

No: Normally open NC :Normally Close
 COM: Common GND: Ground

V Operation and user manual

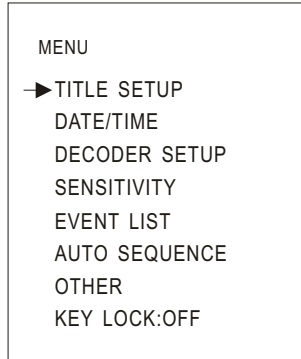
1.Power on

Turn on the power display the system main interface:

L	1234	03-05-18 09:30:50
CHANNEL 1	CHANNEL 2	
CHANNEL 3	CHANNEL 4	

2.Main menu programming

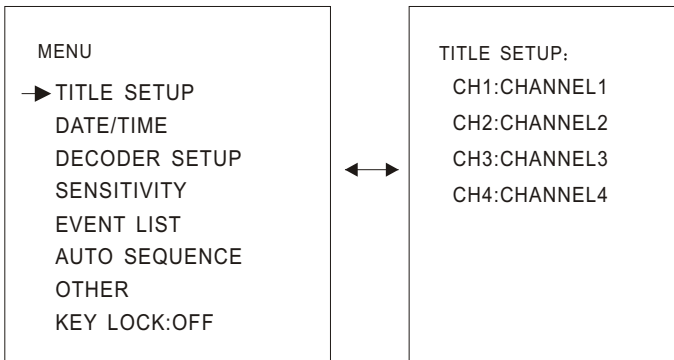
To press key “Auto/Set” to enter main menu.



Notice: In the menu mode, the key “Auto/Set” acts as enter for confirmation, stay pressing this key for 2 seconds will escape the main menu.

(1) TITLE SETUP

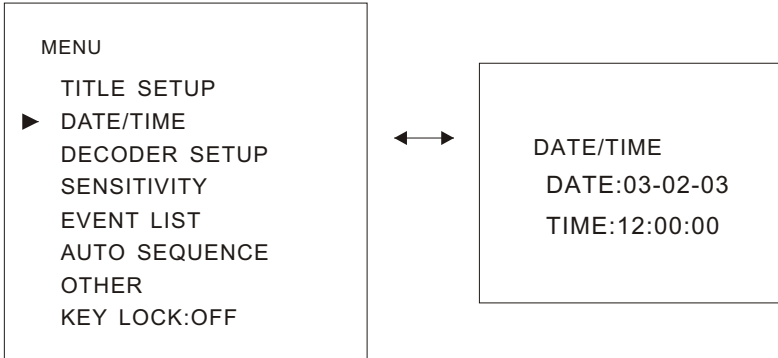
To choose TITLE SETUP item and press key “Set” to toggle this option, see below:



In menu TITLE SETUP, press up arrow and down arrow keys to choose the item and left and right arrow to change the video channel name. Maximum 8 characters accepted for video channel title.

(2) DATE/TIME

Press arrow down to item TIME/DATE and press key “Set” to toggle this option, see below:



In menu DATE/TIME, press up arrow and down arrow keys to choose the item and left and right arrow to set time and date, etc.

A.DATE:

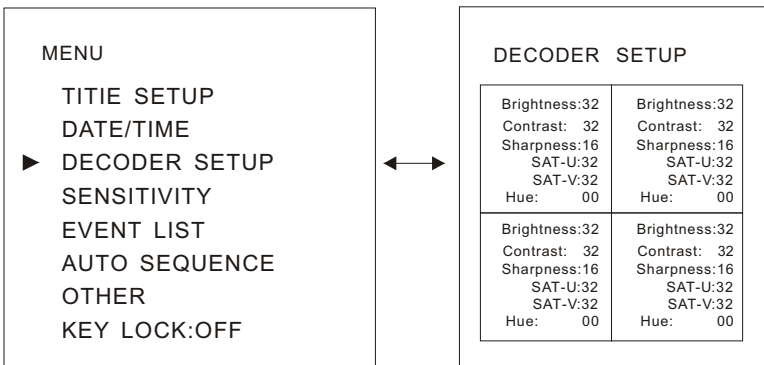
YY-MM-DD(Year-Month-Day)
 YY(Year):between 00 and 99
 MM(Month): between 00 and 12
 DD(Day): between 01 and 31

B.TIME:

HH-MM-SS(Hour-Minute-Second)
 HH(Hour): between 00 and 24
 MM(Minute): between 00 and 60
 SS(Second): between 00 and 60

(3)DECODER SETUP

Press arrow down to item DECODER SETUP and press key “Set” to toggle this option, see below:

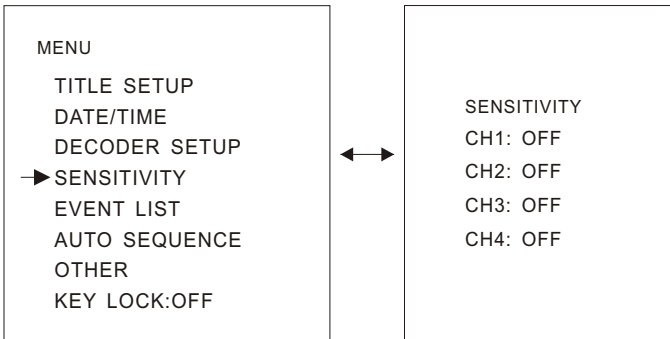


In menu DECODER SETUP, press up arrow and down arrow keys to choose the item and left and right arrow to modify the decode set up.

- Brightness: Brightness adjustment, value 0-63
- Contrast: Contrast adjustment, value 0-63
- Sharpness: Sharpness adjustment, value 0-63
- SAT: Saturation adjustment, value 0-63
- Hue: Hue adjustment, value 0-63

(4) SENSITIVITY

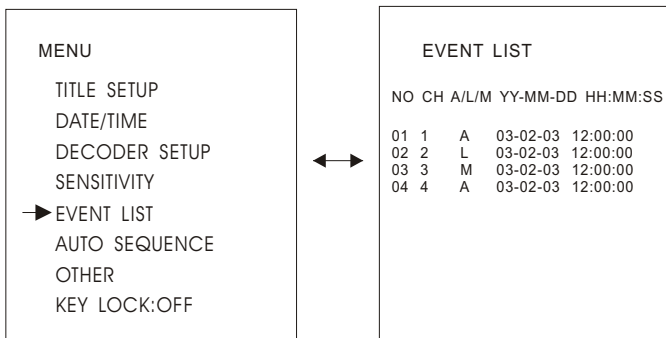
Press arrow down to item SENSITIVITY and press key “Set” to toggle this option, see below:



In menu SENSITIVITY, press up arrow and down arrow keys to choose the item and left and right arrow to modify sensitivity setup, each video channel sensitivity value 0-7.

(5) EVENT LIST

Press arrow down to item EVENT LIST and press key “Set” to toggle this option, see below:

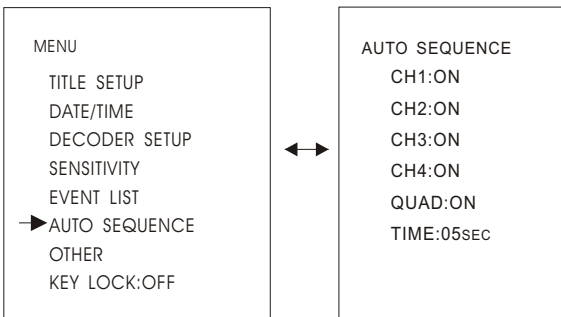


Current viewing screen can show maximum 10 system log data.
 Press up, down, left or right arrow keys to check other system log.

- NO.: system log series No. 01-20.
- CH: video channel CH1-CH4.
- A/L/M: Event type records.
- A: External alarm records
- L: Video loss alarm records.
- M: Motion detect alarm records.

(6)AUTO SEQUENCE

Press arrow down to item AUTO SEQUENCE and press key “Set” to toggle this option, see below:

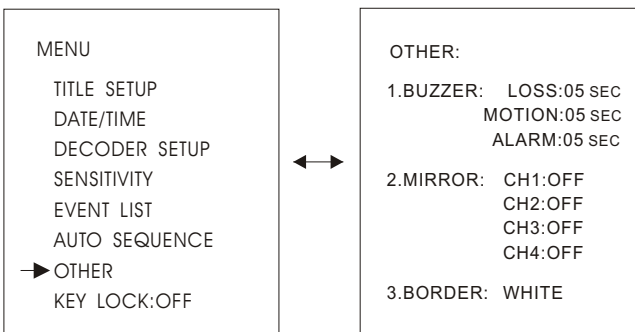


In menu AUTO SEQUENCE, press up arrow and down arrow keys to choose the item and left and right arrow to modify setup.

- CH1-QUAD: ON/OFF.
- TIME: Dell time for automatic video switch.01-99 sec.

(7)OTHER

Press arrow down to item OTHER and press key “Set” to toggle this option, see below:



BUZZER: Buzzer ON/OFF setup for video lost, motion detect, alarm event, start dwell time 01-99 sec optional.

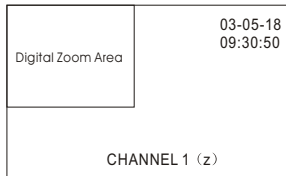
MIRROR: video channel image ON/OFF.

(8)KEY LOCK.

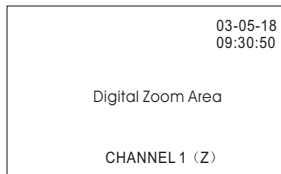
System key lock function setup, ON/OFF.

3.Digital zoom

To choose CH1-CH4 video channel and stay pressing key “zoom” for 2 seconds will enter digital zoom mode. see below:



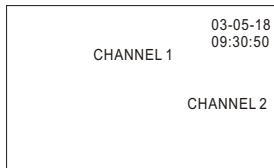
To press “zoom” the second time at the current picture will enter 2X digital zoom, see below:



Note: “Z” is digital zoom icon.

4.Image mode

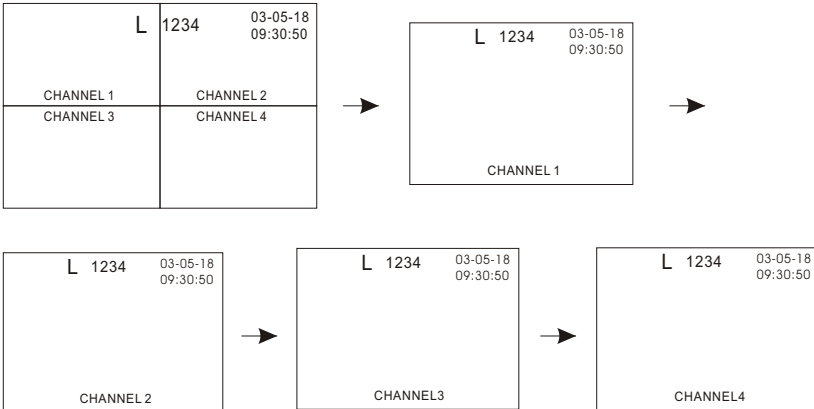
To stay pressing key “PIP/Seq” for 2 seconds will enter PIP mode, See below:



To choose CH1-CH4 video channel, can composite any image for PIP.

5.Automatic switch

To press key “PIP/Seq” will enter image automatic switch mode. See below:



Detailed automatic switch parameter can be modified entering menu “AUTO SEQUENCE” .

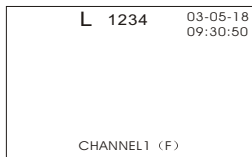
6. Playback.

To stay pressing key “Play/FZ” for 2 seconds will enter playback mode. See below:



7. Image Freeze

To choose CH1-CH4 video channel and press key “Play/FZ” will enter image freeze mode, see below:



Note: “F” is image freeze icon.

8. System switch

To press key “FZ” and “Set” simultaneously to change the system between PAL and NTSC.

VI、 Attachment

Technical parameter

Resolution	PAL:720(H)×576(V) NTSC:720(H)×480(V)
Power supply	DC12V
Consumption	10W
Impedance	75ohm
Signal output	2.0Vp-p
Temperature	-10℃~70℃
Weight	1.2Kg

Troubleshooting guide:

Problem	Possible causes	Suggested action
No Power signal	Mains poor connection; Power switch off	Reconnect the mains; Turn on the power switch
No Video input	Camera connection failed; Poor Videoline connection	Reconnect the cameras; Change another video line
No video output	Monitor connection failed; Poor Videoline connection	Reconnect the monitor; Change another video line