

Sixteen Channel Duplex Video Multiplexer

Instruction Manual

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1. Introduction

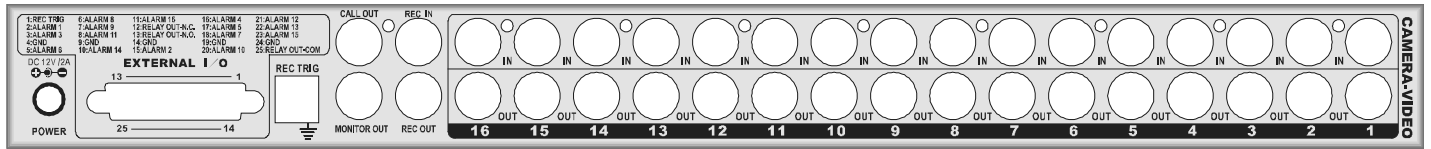
The sixteen channel multiplexer has the following features:

1. Sixteen channels video input with loop-out and dynamic terminal resistor settings.
2. Provides three video output ports (monitor out, call out and REC out).
3. Automatically detect NTSC/PAL video system.
4. Video input signals with AGC (Auto Gain Control) function.
5. Adopt E.A.L. (Erase Asynchronous Line) technique.
6. Support full-image and multi-windows (4, 6, 7, 8, 9, 10, 13 and 16 split) display format.
7. Multi-windows display refresh rate at 60 fields/sec for NTSC, 50 fields/sec for PAL.
8. Full duplex except 'Channel 16' for recording and displaying.
9. Smart auto switch. Supports programmable channel sequence and automatic skip unconnected channels.
10. Supports freeze function for multi-windows and full-image display at normal and playback modes.
11. Supports 2X zoom function for full-image at normal and playback mode.
12. Supports sixteen-channel external alarm input ports and N.C./N.O. programmable property.
13. Record event lists (power-on, video loss, motion detection and alarm input) up to 256 records.
14. Supports general and time-lapse VCR recording mode for VCR and provides external-trigger, 2H, 12H, 24H, real-time 24H, 48H, 72H, 120H, 168H, 240H, 480H, 720H, 960H for record time setting.
15. Supports priority record function.
16. Build-in RTC for date and time display.
17. Each camera supports camera title setting for up to seven characters.
18. Supports user-friendly hierarchy set-up menu.
19. Build-in color-bar generator for adjusting monitors.

2. Specification

Refresh rate (Color Version)	NTSC : 60 fields/sec, PAL : 50 fields/sec
Resolution (HxV)	NTSC : 860x525, PAL : 860x625 (CCIR-601 standard)
Video input port	BNCx16 cameras with loop out + BNCx1 REC play inputs
Video output port	BNCx1 Monitor out, BNCx1 Call Monitor our and BNCx1 REC Record out
Video output signal	1 Vp-p / 75Ω CVBS out
Video output format	Full/Multi-windows (4, 6, 7, 8, 9, 10, 13 and 16 split) /Auto switch
Title generator	Up to 7 characters for each channel
Timer generator	Built-in RTC (real time clock)
Dimension	432(W) x 270(D) x 44(H) mm
Power source	DC 12V ±10%
Power consumption	18W(max), 1500mA@12V Recommend adapter: DC 12V/1.5A switching mode power adapter

3. Installation



Back Panel

3.1 Power Supply

DC 12V $\pm 10\%$, 1500mA, DC 12V/1.5A switching mode power adapter is recommended.

3.2 ALARM I/O

There is a DB25 connector on the left side of the back panel, which is connected to the external alarm sensor and time lapse VCR trigger input.

1	REC TRIG	VCR trigger input port
2	ALARM 1	External alarm input 1
3	ALARM 3	External alarm input 3
4	GND	Ground
5	ALARM 6	External alarm input 6
6	ALARM 8	External alarm input 8
7	ALARM 9	External alarm input 9
8	ALARM 11	External alarm input 11
9	GND	Ground
10	ALARM 14	External alarm input 14
11	ALARM 16	External alarm input 16
12	RELAY OUT-N.C.	Relay output normal close terminal
13	RELAY OUT-N.O.	Relay output normal open terminal
14	GND	Ground
15	ALARM 2	External alarm input 2
16	ALARM 4	External alarm input 4
17	ALARM 5	External alarm input 5
18	ALARM 7	External alarm input 7
19	GND	Ground
20	ALARM 10	External alarm input 10
21	ALARM 12	External alarm input 12
22	ALARM 13	External alarm input 13
23	ALARM 15	External alarm input 15
24	GND	Ground
25	RELAY OUT-COM	Relay output common terminal

3.3 REC TRIGGER INPUT PORT

REC trigger input port for VCR trigger signal input is on the right side of the DB25.

3.4 VIDEO OUT

3.4.1 MONITOR OUT

Connect the BNC connector for "MONITOR OUT" on the Mutiplexer and the other end to "VIDEO IN" on the Monitor.

3.4.2 CALL OUT

Connect the BNC connector for "CALL OUT" on the Mutiplexer and the other end to "VIDEO IN" on another Monitor.

The video format outputs from this port is programmable and displays full-size image of any camera input. It acts as a smart video switcher.

3.4.3 REC OUT

Connect BNC connector for "REC OUT" on the Multiplexer and the other end to "VCR IN" on the VCR.

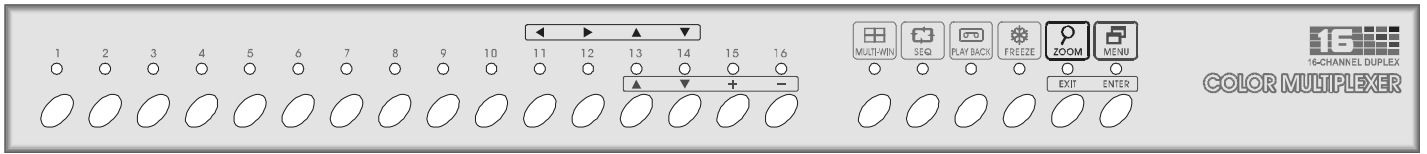
3.5 REC IN

Connect the BNC connector for "REC IN" to the VCR for "VIDEO OUT" on the VCR.

3.6 VIDEO IN & LOOP OUT

The camera line is connected to Camera-Video IN and the nine-channel loop-out path is supplied for alternative usage.

4. Function Key Description



Front Panel

From the left front panel button key

4.1 Camera selection keys, camera No.1-16

Press this key to select full-view of the desired camera channel, when under normal or playback mode condition.

Function Key

4.2 Press **MULTI-WIN** key to display the Multi-Window image (Multi-Window supports 4, 6, 7, 8, 9, 10, 13 and 16 image split), when under normal or playback mode condition.

4.3 Press **SEQ** key to enter auto sequence mode, when under normal mode condition.

4.4 Press **PLAYBACK** key to enter the playback mode, return to normal mode press this button again, when under normal mode condition.

4.5 Press **FREEZE** key to freeze image(s) (See next page operation mode for detail), when under normal or playback multi-window image condition.

4.6 Press **ZOOM** key to zoom image (See next page operation mode for detail), when under normal or playback full image.

4.7 Press **MENU** key to enter set up mode.

4.8 MENU FUNCTION KEYS AT MENU SET UP MODE

↑ (RED)	Move cursor to the above item during menu operation. Move to the left item during editing procedure.
↓ (RED)	Move cursor to the next item during menu operation. Move to the right item during editing procedure.
← → ↑ ↓ (BLUE)	Cursor movement for motion window setting. Pan or Tilt for zoom function.
+	Next value.
-	Previous value.
EXIT	Exit the menu or editing procedure.
ENTER	Enter to sub-menu or editing procedure.

5. Operation Mode

There are four operational modes on the multiplexer.

Mode	Description
Normal	<p>The multiplexer automatically enters into normal mode, when the power has been put on. Press camera selection key to view the full-image. Press <MULTI-WIN> key to view multi-window images. Multi-window supports 4,6,7,8,9,10,13 and 16 image split. This mode supports freeze function under multi-window and full-image. Multi-windows freeze:</p> <ol style="list-style-type: none"> 1. Under multi-window of the normal mode, presses <FREEZE> key to enter freeze function. User can freeze or release any channel selected, while the LED indicator of the Freeze key is "ON". 2. Press camera channel selection key to select a camera channel that you want to freeze. the image of the related camera is than frozen. In order to release frozen image(s), press the camera selection key again to select a camera, when the LED indicator for the camera channel selection lights up, it indicates that the image has been released. When the light of the LED indicator for the camera goes off the image is released and begins to refresh. 3. User can freeze and release image(s) for every camera channel independently. 4. To quit the freeze mode, press <FREEZE> key again to return to multi-window of normal mode. <p>Full-image freeze:</p> <ol style="list-style-type: none"> 1. Under full-view of the selected camera channel, press camera channel selection key again to freeze the image. The LED indicator of selected channel begins to flash. 2. Press <MULTI-WIN> key or camera channel selection keys to release the camera channel to multi-window image or full-image of the selected camera channel. <p>This mode supports 2X zoom function under full-image.</p> <ol style="list-style-type: none"> 1. Under full-image press <ZOOM> key, the zoom LED indicator lights up and 2X image displays on monitor. 2. Use the blue arrow key to pan or tilt the 2X image. 3. Press <ZOOM> again to leave 2X zoom to normal full-image.
Auto Sequence	<p>Under normal mode, press <SEQ> key to enter sequence mode. Under this mode, the monitor displays images according to user's definition of channel sequences and dwell time. Refer to page 11, "8.2 CHANNEL SEQUENCE" for more details. To exit sequence mode :</p> <ol style="list-style-type: none"> 1. Press camera channel selection key or <MULTI-WIN> key to exit auto sequence mode and enter normal mode. 2. Press <PLAYBACK> key to enter playback mode. 3. Press <MENU> key to enter menu set up mode.
Playback	<p>In normal or sequence mode, press <PLAYBACK> key to enter the playback mode. Under this mode user can playback VCR that was recorded by this multiplexer. It is impossible to view images recorded by another multiplexer. Support multi-windows images and full-image view. Multi-window format is deferent from normal mode. It only supports 4, 9, and 16 split. Support freeze function for multi-win image and full-image. It is the same as normal mode. Support 2X zoom function under full-image. It is the same as normal mode. Press <PLAYBACK> key again to exit playback mode and goes back to normal mode.</p>
Menu set up	<p>Under normal or sequence mode, press <MENU> key to enter menu set up mode. Refer page 9, "8. Menu set up" for more details.</p>

6. Recording and Playback

The multiplexer is full duplex. The “full duplex” means to record multiple cameras and playback synchronously.

6.1 RECORD

The multiplexer can support general VCR or time-lapse VCR recorder.

(a) TO RECORD USING EXTERNAL TRIGGER SIGNAL FROM TIME-LAPSE VCR :

The time-lapse VCR recorder generates a trigger signal from “VCR trigger” to signal multiplexers when it is the time to switch channels.

We recommend using this feature when user’s VCR recorder supports this feature.

Using this feature the record time must be set to “SYNC” and interconnect VCR and YK-9516.

The acceptable trigger signal is a falling edge (negative) trigger.

(b) RECORD BY SETTING RECORDING TIME :

The multiplexer can calculate channel-switching time by setting recording time at menu set up.

The recording time of the multiplexer must match the recording time set on the VCR recorder. If general VCR are been used, the recording time must be set to 2H and the user can choose from FILED or FRAME as recording type.

The multiplexer supports: SYNC, 2 hours (2H), 12 hours (12H), 24 hours (24H), 24 hours real-time (24RH), 48 hours (48H), 72 hours (72H), 120 hours (120H), 168 hours (168H), 240 hours (240H), 480 hours (480H), 720 hours (720H), 960 hours (960H).

6.2 PLAYBACK

Because the playback path (VCR input path) and channel 16 uses the same path, therefore channel 16 will not be recorded while using playback function.

7. Alarm Function

7.1 ALARM TYPES

There are four kinds of alarm events :

- (a) Power-on time and date sequence.
- (b) Video signal loss.
- (c) Motion has been detected.
- (d) Trigger by external alarm input.

7.2 RESPONSE TYPES OF ALARM

There are four types of responses :

- (a) Buzzer turns on.
- (b) Relay turns on.
- (c) Priority recording when triggered by external alarm input or motion detection.
- (d) Alarm list.

7.3 THE ALARM EVENTS PROCESS

There are four kinds of alarm event:

- (a) When the **power on** event occurs, the time in which it is put "ON" is also recorded. It doesn't affect the buzzer and it is able to check whether or not it has once been turned off.
- (b) When **video loss** occurs, the relay and buzzer will be turned "ON" (if they are enabled in the menu set up). The event could also be written to the alarm list.
- (c) The multiplexer supports 16-channel **external alarm** inputs, user can set the property for every alarm sensor. When external alarm triggers, the relay and buzzer will be turned "ON" (if they are enabled in the menu set up). The event could also be written to the alarm list.
- (d) The multiplexer supports **motion detection** for each input camera. User can set motion window and detection sensitivity for each camera input.

8. Menu Set Up

8.0 THE STRUCTURE OF MENU

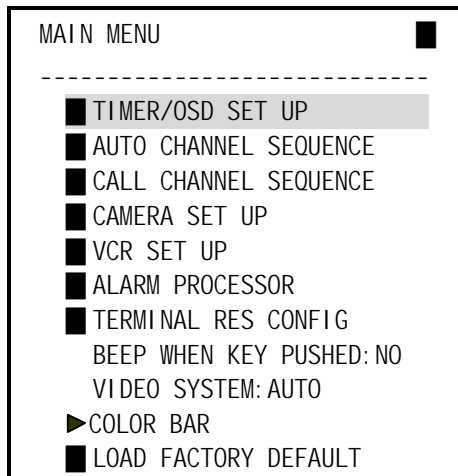


Figure 8-1

The main menu is shown in Figure 8-1. Use the main menu as an example, to introduce the structure of menus.

(a) The title of menu :

Located on the top left side of the first line “MAIN MENU”.

(b) Levels indicator :

Located on the top right side of the first line.

The symbol ” ■ ” represents level indication of the menu.

One symbol ” ■ ” indicates that the menu is on level 1, two symbols ” ■ ■ ” indicates that the menu is on level 2...and so on.

(c) Item indicator (Cursor) :

Half-tone area indicates that the item is available for setting.

(d) The type field of the item :

Located on the left is the type field of the item.

There are three kinds of item indicators :

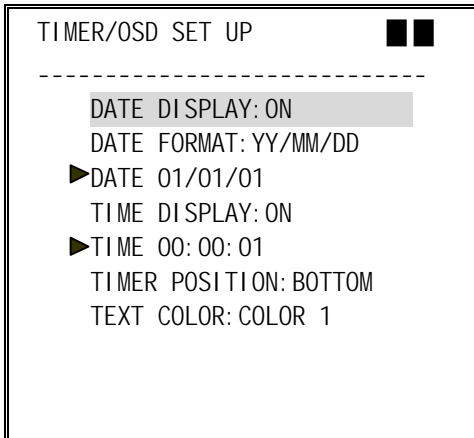
” ■ ” : Denotes that there is a sub-menu by pressing <ENTER>, to active it under next menu.

” ▶ ” : Denotes that there is no sub-menu, but user needs to press <ENTER> key to access the items.

No symbol : Denotes that user can press <-> <+> key to set value to the previous or the next and decrease or increase the numbers.

(e) Item :

Use the Figure 8-1 for example, ”TIMER/OSD SET UP” the first item selected by the “Item indicator”.



8.1 TIMER/OSD SET UP

Figure 8-2

In the main menu use <↑> or <↓> key to select “TIMER/OSD SET UP”, and press <ENTER> to enter the menu of Figure 8-2.

8.1.1 DATE DISPLAY

Set “ON” to display the date and “OFF” to turn off the date display.

8.1.2 DATE FORMAT

The date format can be one of the following :

- YY/MM/DD (year/month/day)
- MM/DD/YY (month/day/year)
- DD/MM/YY (day/month/year)

8.1.3 DATE

Set date according to the date format, shown on Figure 8-2. Select “DATE” item and press <ENTER> key to enter the editing procedure. After finishing press <EXIT> to return to the menu on Figure 8-2.

Note: User must control the date in February by oneself.

8.1.4 TIME DISPLAY

Set to “ON” to display time and “OFF” to turn off the time display.

8.1.5 TIME

On the menu in Figure 8-2, select “TIME” item and press <ENTER> to enter the editing procedure. After time setting press <EXIT> to return to the menu on Figure 8-2.

8.1.6 TIMER POSITION

Set the position to display time and date. The position can be one of the following: LEFT TOP, TOP, RIGHT TOP, LEFT BOTTOM, BOTTOM and RIGHT BOTTOM.

8.1.7 TEXT COLOR

The text color can be set to one of the following value:

COLOR 0	White	COLOR 2	Cyan
COLOR 1	Green	COLOR 3	Yellow

8.2 AUTO CHANNEL SEQUENCE

In the main menu select “AUTO CHANNEL SEQUENCE” and press <ENTER> to enter the menu on Figure 8-3.

AUTO CHANNEL SEQUENCE								

	SEQ	CAM	SEC		SEQ	CAM	SEC	
▶	1	H	3	▶	13	12	3	
▶	2	1	3	▶	14	13	3	
▶	3	2	3	▶	15	14	3	
▶	4	3	3	▶	16	15	3	
▶	5	4	3	▶	17	16	3	
▶	6	5	3	▶	18	-	3	
▶	7	6	3	▶	19	-	3	
▶	8	7	3	▶	20	-	3	
▶	9	8	3	▶	21	-	3	
▶	10	9	3	▶	22	-	3	
▶	11	10	3	▶	23	-	3	
▶	12	11	3	▶	24	-	3	

Figure 8-3

8.2.1 SEQ (sequence)

In the auto sequence mode the order of the switches are in these following sequence #1, 2...and 24 and switch back to #1. Press <ENTER> to enter the edit procedure to edit dwell channel and dwell time. After editing press <EXIT> key to escape.

8.2.2 CAM (dwell channel)

There are eighteen values that can be set :

- H : to display 16-split images
- 1..16 : to display the full-image of camera 1..16
- : to skip the sequence to next sequence
-

8.2.3 SEC (dwell time)

The standby auto sequence time (time unit: second).

Press <ENTER> key to activate the edit procedure. After editing press <EXIT> key to escape.

8.2.4 FOR EXAMPLE

Take Figure 8-3 for example :

- <Sequence 1> Display 16-split images, and standby for 3 for seconds.
- <Sequence 2> Display full-image of camera 1 standby 3 for seconds.
- <Sequence 3> Display full-image of camera 2 and standby for 3 seconds.
- <Sequence 4> Display full-image of camera 3 and standby for 3 seconds.
- :
- <Sequence 17> Display full-image of camera 16 and standby for 3 seconds.
- <Sequence 18> Skip the sequence.
- :
- <Sequence 24> Skip the sequence.

8.3 CALL CHANNEL SEQUENCE

Setting The “CALL CHANNEL SEQUENCE” to config the video sequence for call monitor out.

The setting method is very similar to “AUTO CHANNEL SEQUENCE” except the CAM can’t be set ‘H’(16-split images).

8.4 CAMERA SET UP

In the main menu select “CAMERA SET UP”, and press <ENTER> to enter the menu on Figure 8-4.

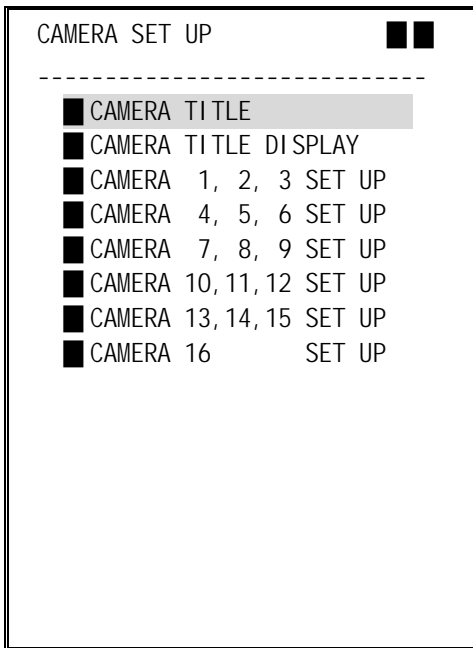


Figure 8-4

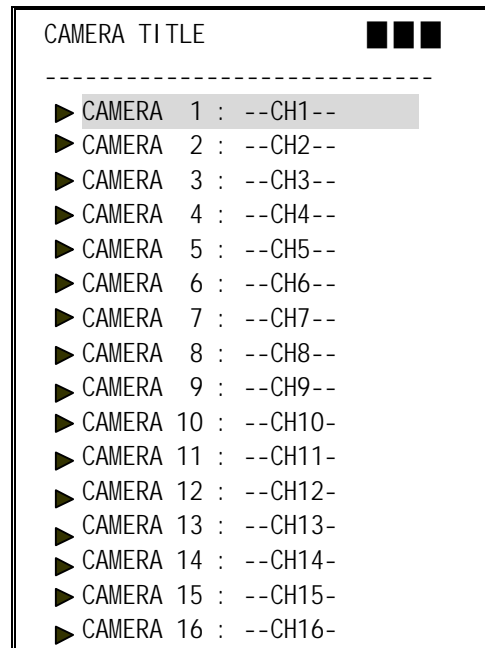


Figure 8-5

8.4.1 CAMERA TITLE

Edit the camera title. In the menu of Figure 8-4 select “CAMERA TITLE” and press <ENTER> to enter the menu on Figure 8-5. Select the camera to edit its title, and press <ENTER> key to enter edit procedure to edit the title. Every title contains up to 7 characters. After finish editing press <EXIT> to return to the menu of Figure 8-4.

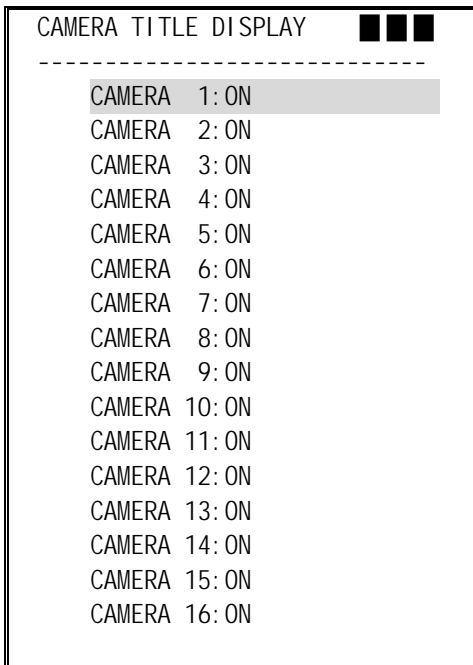


Figure 8-6

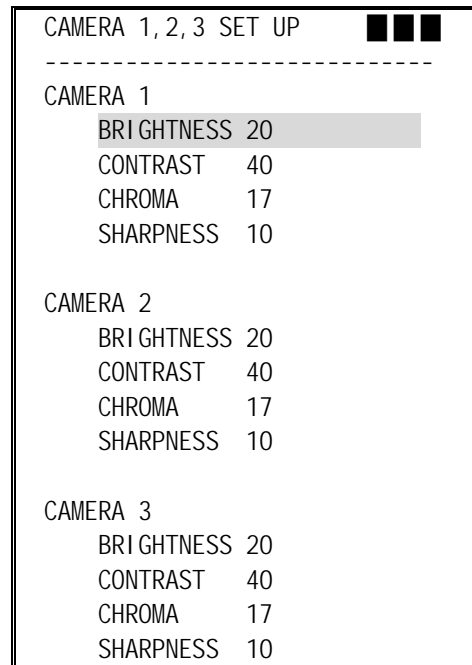


Figure 8-7

8.4.2 CAMERA TITLE DISPLAY

On the menu of Figure 8-4 select “CAMERA TITLE DISPLAY”, and press <ENTER> to enter the menu on Figure 8-6. Set to “ON” to display the camera titles and “OFF” for no title display.

8.4.3 CAMERA 1, 2, 3 SET UP

On the menu of Figure 8-4 select “CAMERA 1,2,3 SET UP”, and press <ENTER> to enter the menu on Figure 8-7 to set brightness, contrast, chroma and sharpness for each camera.

8.5 VCR SET UP

On the main menu select ”VCR SET UP”, and press <ENTER> to enter the menu on Figure 8-8.

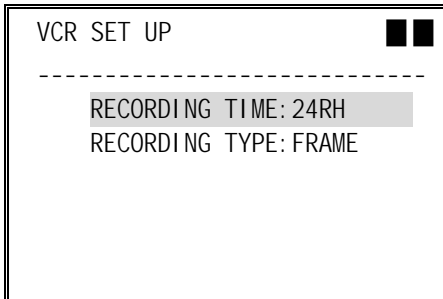


Figure 8-8

8.5.1 RECORDING TIME

The multiplexer supports synchronous and asynchronous mode for VCR.

Synchronous mode:

To operate this mode, the recording time must be set to “SYNC” and the signals to “TRIGGER OUT” and “GND”, the VCR must be connected to the multiplexer. Using synchronous mode is recommended, if your VCR supports this function.

Asynchronous mode:

The multiplexer supports 2 hours (2H), 12 hours (12H), 24 hours (24H), 24hours real motion (24RH), 48 hours (48H), 72 hours (72H), 120 hours (120H), 168 hours (168H), 240 hours (240H), 480 hours (480H), 720 hours (720H), 960 hours (960H).

User must set the time to “2H”, when it is not a time lapse VCR.

8.5.2 RECORDING TYPE

Recording type can be set to “FIELD” (field by field) or “FRAME” (frame by frame). It is only effective when the recording time is set to “2H”.

8.6 ALARM PROCESSOR

On the main menu select “ALARM PROCESSOR”, and press <ENTER> to enter the menu on figure 8-9.

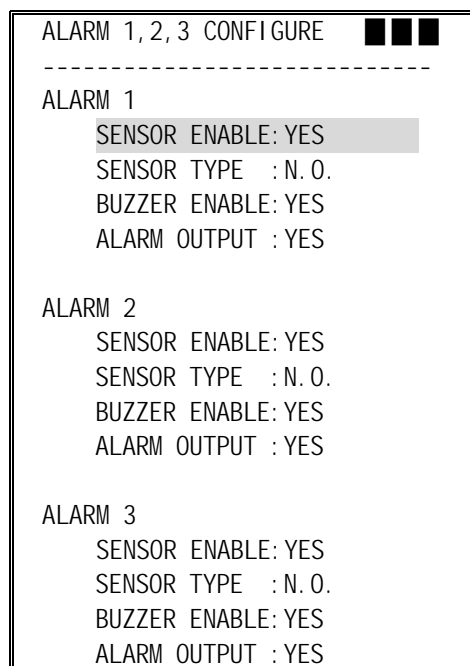
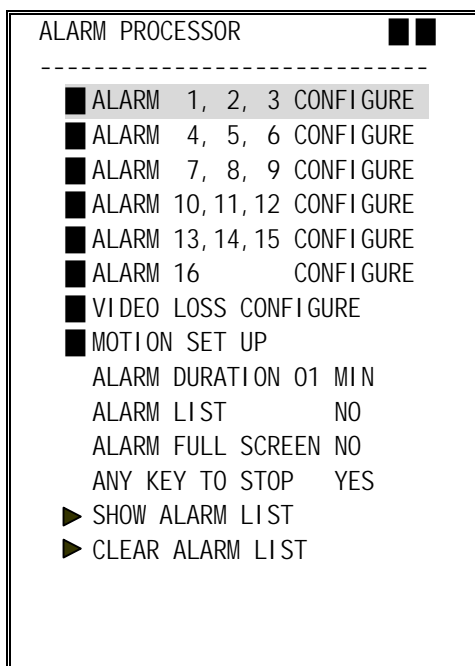


Figure 8-9

Figure 8-10

8.6.1 ALARM 1,2,3 CONFIGURE

On the menu of Figure 8-9 select “ALARM 1,2,3 CONFIGURE”, and press <ENTER> to enter the menu on Figure 8-10.

8.6.1.1 SENSOR ENABLE

Set on “YES” to enable the sensor detection.

Set on “NO” to ignore the sensor.

8.6.1.2 SENSOR TYPE

Set on “N.C.” for normal-close sensor, “N.O.” for normal-open sensor.

8.6.1.3 BUZZER ENABLE

Set on “YES” to turn the internal buzzer on when a valid alarm occurs.

Set on “NO” to keep the buzzer to mute.

8.6.1.4 ALARM OUTPUT

Set on “YES” to turn the relay on if a valid alarm occurs.

Set on “NO” to keep relay to the current state.

8.6.2 VIDEO LOSS CONFIG

On the menu of Figure 8-9, select “VIDEO LOSS CONFIG”, press <ENTER> key to enter next menu on Figure 8-11

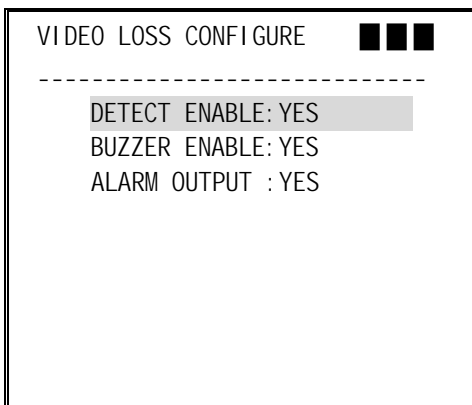


Figure 8-11

8.6.2.1 DETECTION ENABLE

Set on “YES” to detect video loss and “NO” to disable video loss detection.

8.6.2.2 BUZZER ENABLE

Set on “YES” to turn the internal buzzer on if a valid video loss occurs.

Set on “NO” to keep the buzzer to mute.

8.6.2.3 ALARM OUTPUT

Set on “YES” to turn the relay on if a valid video loss occurs.

Set on “NO” to keep relay to the current state.

8.6.3 MOTION SET UP

On the menu of Figure 8-9, select “MOTION SET UP”, press <ENTER> key to enter next menu on Figure 8-12

8.6.3.1 ALL MOTION ENABLE

Set “NO” to disable all-channel motion detection.

Set “YES” allow user to enable motion detection for individual channel.

8.6.3.2 CHANNEL MOTION SET UP

On the menu of Figure 8-12, select one channel you want to do motion set up, press <ENTER> key to enter next menu on Figure 8-13.

8.6.3.2.1 ENABLE

Set “YES” to enable the motion detection of this channel.

Set “NO” to disable the motion detection of this channel.

8.6.3.2.2 DETECTION WINDOW SET UP

Draw up the detection area. The whole screen was divided into 10x14

of detection cells. Each detection cell can be turned on or off individually.

Select this item and press <ENTER>, then a pink cursor appear on the screen. Move the cursor using blue arrow keys to target detection cell press <+> key to turn on the cell, or <-> key to turn off the cell.

Once the detection cell is turned on it becomes green half-tone.

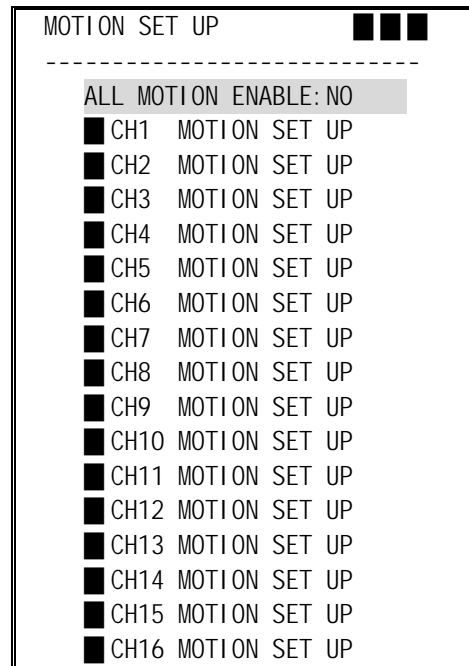


Figure 8-12

8.6.3.2.3 SENSITIVITY

User can adjust detection sensitivity. If detection object is small the value of sensitivity should increase until a “M” symbol appear on the right-bottom corner of screen.

8.6.3.2.4 BUZZER ENABLE

Set “YES” to enable buzzer. Once buzzer is enabled the buzzer will active if motion occurs.

8.6.3.2.4 ALARM OUTPUT ENABLE

Set “YES” to enable relay. Once alarm output is enabled the relay will active if motion occurs.

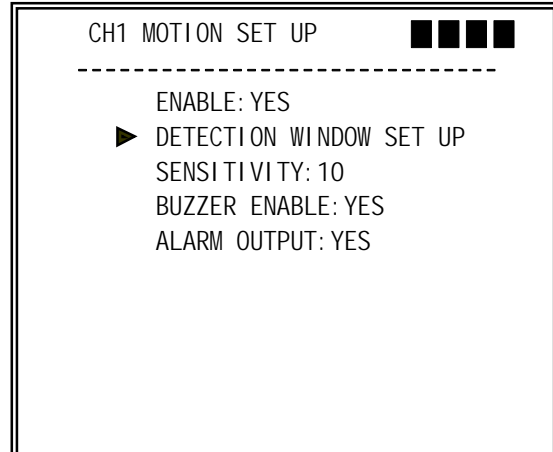


Figure 8-13

8.6.4 ALARM DURATION

The alarm output will keep for a time interval called alarm duration if a valid alarm occurs. The unit of the alarm duration is set in second.

8.6.5 ALARM LIST

Set on “YES” to save the alarm event as a record, when a valid alarm occurs and to “NO” for not saving.

8.6.6 ALARM FULL SCREEN

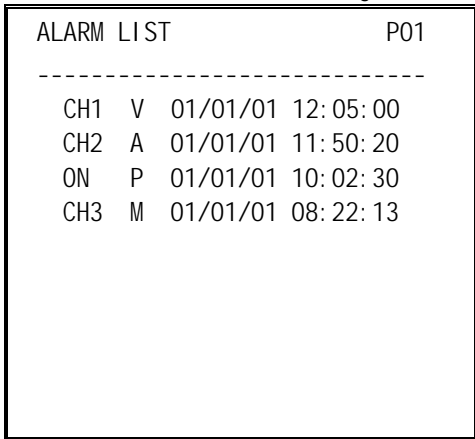
Set on “YES” to switch to full-view of the related camera from quad-view, when a valid alarm occurs. It will take effect under normal or sequence modes. Setting “NO” will keep the current viewing.

8.6.7 ANY KEY TO STOP

User can press any key to stop the alarm output when alarm output accrues, while set to “YES”. Setting “NO” will make the alarm output to be kept over the alarm duration and can’t stop by user.

8.6.8 SHOW ALARM LIST

At the menu of Figure 8-9, select “SHOW ALARM LIST”, and press <ENTER> key to show the alarm list.
The alarm list is shown as Figure 8-14.



ALARM LIST		P01	
CH1	V	01/01/01	12:05:00
CH2	A	01/01/01	11:50:20
ON	P	01/01/01	10:02:30
CH3	M	01/01/01	08:22:13

Figure 8-14

- a. The first and the second fields denote alarm event:
 - CH1 A: The first channel alarm input triggered.
Where ‘A’ denotes alarm input that’s been triggered.
 - CH2 V: The second channel video loss.
Where ‘V’ denotes video loss.
 - ON P: Power-up.
Where ‘P’ denotes power-up.
 - CH3 M: The third channel motion occurring.
Where ‘M’ denotes motion.
- b. The 3’rd field is the date of event occurring. The data format is the same as the setting by 8.1.2.
- c. The last field is the time of event occurring.
- d. User can use < ↑ > or < ↓ > key to turn the next page or the previous page.
- e. Press <EXIT> to escape the alarm list.

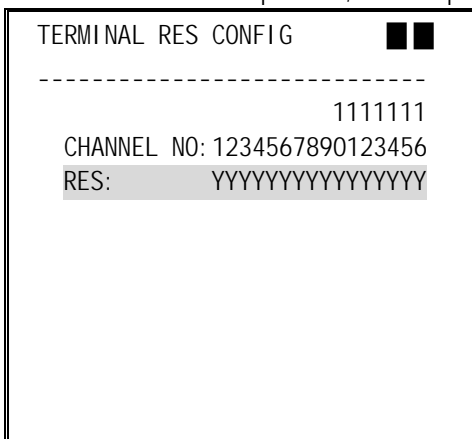
8.6.9 CLEAR ALARM LIST

On the menu of Figure 8-9, select “CLEAR ALARM LIST”, and press <ENTER> to clear the alarm list.

8.7 TERMINAL RES CONFIG

On the main menu, select “TERMINAL RES CONFIG”, and press <ENTER> to enter the menu of Figure 8-15 to the setting terminal impedance.

Set “Y” to connect the impedance, “N” to open the impedance.



TERMINAL RES CONFIG		■■■	
-----		1111111	
CHANNEL NO:	1234567890123456		
RES:	YYYYYYYYYYYYYYYY		

Figure 8-15

8.8 BEEP WHEN KEY PUSHED

Select “YES/NO” to enable/disable buzzer to buzz.

8.9 VIDEO SYSTEM

There are three kinds of parameters for video system setting:

For color version :

- AUTO : Auto detects NTSC or PAL, if the “channel 1” camera connected.
- NTSC : Set video system as NTSC ◦
- PAL : Set video system as PAL ◦

8.10 COLOR BAR

Display color bar in order to adjust the monitor.

8.11 LOAD FACTORY DEFAULT

On the main menu, select “LOAD FACTORY DEFAULT”, and press <ENTER> to enter the menu on Figure 8-16 to setting.

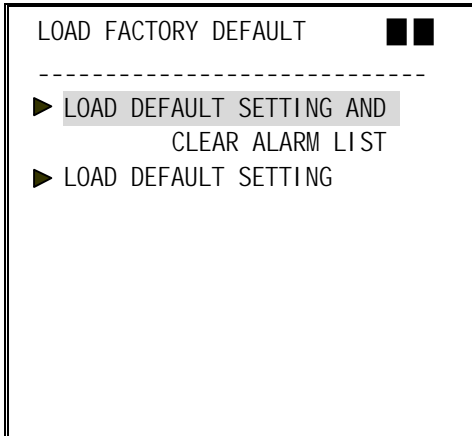


Figure 8-16

8.11.1 LOAD DEFAULT SETTING AND CLEAR ALARM LIST

Load the parameters of factory default and erase alarm list.

8.11.2 LOAD DEFAULT SETTING

Load the parameters of factory default.
