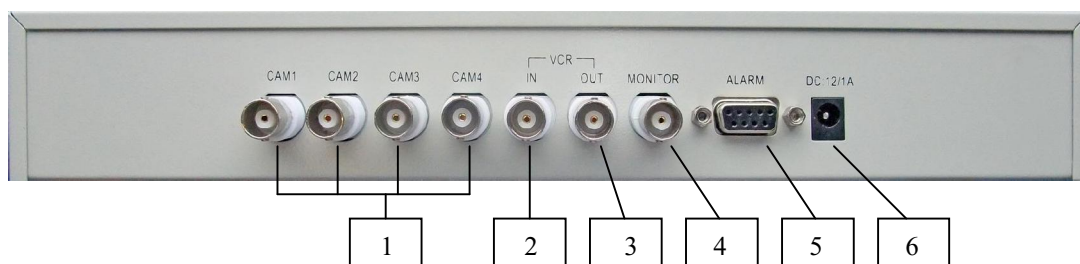# Features

- High Resolution Real Time Displays
- Quad, Full Screen or Auto Switching
- Menu options
- Date and Time facility
- Motion Detection
- Channel Titles
- Zoom Option
- Alarm History List
- Various Screen Display Options
- Picture in Picture
- Timed Auto Sequencing
- Buzzer for Video Loss or Motion detection
- Individual brightness and contrast controls for each channel

This Real Time High Resolution Colour Quad Splitter provides the user with a host of facilities for displaying in Quad mode, separate channel full screen display, full screen auto sequencing and outputs for monitor display and VCR recording. Added features allow 2 times zoom facility, Freeze frame, Picture in Picture mode and changing the video mode between PAL and NTSC. A special menu facility allows the user to set the date and time, an 8 character title display for each of the four channels, individual settings for adjusting each camera setting for colour and brightness and an option to set the sensitivity for motion detection. Two pages of events can be accessed to provide information about video loss and motion detection events. This unit is powered by a 12V DC regulated power supply (not included).

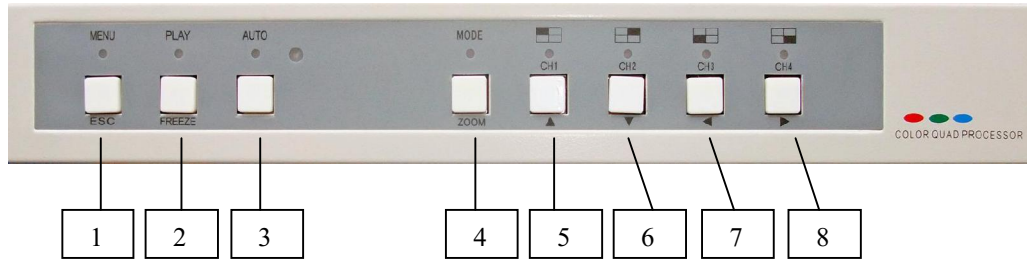**Rear Connections**

1. **Video In (4 x cameras):** Channel 1 ~ 4 input channels
2. **VCR In:**   VCR input. Press PLAY button to display VCR images in full screen or quad
3. **VCR Out:**   Display images for input to VCR on monitor
4. **Monitor Out:**   Video output to monitor, display as full screen or quad
5. **Alarm Output:**   The alarm output is not operational on this unit
6. **Power Input 12V DC:** (Recommend using POW802 – not supplied with this unit)

Installation
Connect up to four video inputs and VCR input to the VIDEO IN BNC connectors.
Connect the MONITOR OUT to a monitor and if required the VCR OUT to a VCR input.
Connect a 12V DC regulated power supply (not provided). We recommend a POW802.
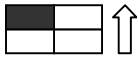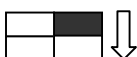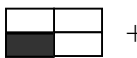
Front Panel Operation

Special Note

The front panel buttons are dual operation and dual function. Pressing a key continuously for 2 seconds will initiate one option and pressing the same key with a single key depression will initiate a different option.

    * **refers to single key depression**   **** refers to two second key depression**

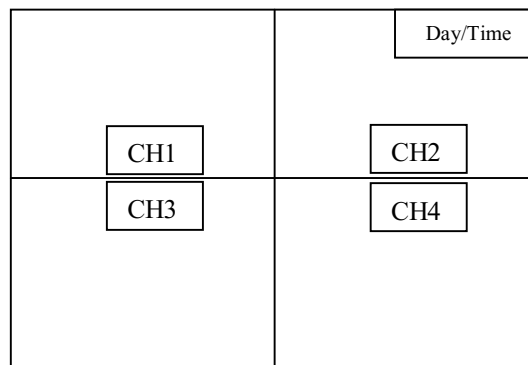|		
1.	**MENU(*)**	Press Menu button to enter main menu
	ESC(*)	Press button again to return to exit main menu
2.	**PLAY(**)**	Press Play button to toggle video source on Channel 1 between camera and VCR
	FREEZE(*)	Press Freeze button to freeze display window/press again to un-freeze
3.	**AUTO(*)**	Press Auto button to initiate Auto Sequencing on/off
4.	**MODE(*)**	Press button to enter Quad display mode and PIP. Repeat to display different modes.
	ZOOM(**)	Press Zoom button to enter Zoom display mode. A translucent frame will be displayed. Use the Channel buttons to move the frame to the required position.
	ZOOM(*)	Press Zoom button again with single key depression to zoom in. The zoomed frame can still be moved if required. Press Zoom button again for long depression to exit zoom mode.
5.		Channel 1 Full Display/Up direction for menu
6.		Channel 2 Full Display/Down direction for menu
7.		Channel 3 Full Display/Left direction for menu / Increase value
8.		Channel 4 Full Display/Right direction for menu / Decrease value

MAIN MENU

Press the MENU(*) button to enter menu mode and press the "Up" or "Down" buttons to select the required option.

MAIN MENU	**TITLE SET**
TITLE SET TIME/DATE DISPLAY SET ALARM MOTION SET RESTORE FACTORY SET	CH1: C H A N N E L 1 CH2: C H A N N E L 2 CH3: C H A N N E L 3 CH4: C H A N N E L 4 DISPLAY: ON

With the selector pointing to TITLE SET press the CH3 or CH4 buttons to enter this menu. Press the CH2 button to move cursor down or press the CH1 to move right. Now press CH3 or CH4 buttons to change the title characters. You can enter up to eight characters for each title. The channel titles are only displayed when DISPLAY it set to ON. If set to OFF channel titles are not displayed. Press the CH4 button to change the setting. The titles are displayed at fixed positions. See diagram below for positions.

```
+-------------------+-------------------+
|                   |          Day/Time |
|                   |                   |
|        +-----+    |        +-----+    |
|        | CH1 |    |        | CH2 |    |
|        +-----+    |        +-----+    |
+-------------------+-------------------+
|        | CH3 |    |        | CH4 |    |
|        +-----+    |        +-----+    |
|                   |                   |
|                   |                   |
+-------------------+-------------------+
```

Press the Menu button to exit the Menu.

TIME/DATE

MAIN MENU	**TIME / DATE**
TITLE SET **TIME/DATE** DISPLAY SET ALARM MOTION SET RESTORE FACTORY SET	TIME : 14 : 59 : 33 DATE :2010 / 10 / 21 FORMAT : YYYY /MM / DD DISPLAY : ON

Move the cursor to TIME / DATE and press the CH3 or CH4 button to enter the TIME / DATE menu. Press the CH1 button to select the field to update. Press the CH4 or CH3 buttons to modify the setting.

TIME: Set the display time
DATE: Set the display date
FORMAT: Set the date format.
                 Select from YYYY/MM/DD, MM/DD/YYYY or DD/MM/YYYY
DISPLAY: The Date and Time only displayed if Display is set to ON.

Press the Menu button to exit the menu.

DISPLAY SET

```
MAIN MENU

TITLE SET
TIME/DATE
DISPLAY SET
ALARM MOTION SET
RESTORE FACTORY SET
```

```
DISPLAY SET

AUTOSEQ    SET
PIP   SET
PICTURE      SET
BOUNDARY   : WHITE
SYSTEM SET  : PAL
```

AUTOSEQ SET is used to set the channel switching time. The time can be set to **OFF** or from 01 ~ 99 seconds. The default time is set to 4 seconds.

Move the cursor to AUTOSEQ SET and press CH3 or CH4 button to enter this menu. Press CH1 or CH2 to move up or down and press CH3 or CH4 to change the auto switching time or switching the channel off.

```
AUTOSEQ SET

CH1   : 04    SEC
CH2   : 10    SEC
CH3   : 04    SEC
CH4   : 10    SEC
QUAD : OFF
```

Press the Menu button to exit menu.

PIP SET

```
DISPLAY SET

AUTOSEQ    SET
PIP   SET
PICTURE      SET
BOUNDARY   : WHITE
SYSTEM SET  : PAL
```

PIP SET	MAIN	SUB 1	SUB 2
P I P 1	: CH1	CH2	
P I P 2	: CH1	CH2	CH3
P I P 3	: CH1	CH2	CH3
P I P SEQ	: MAIN		
LOCATION	: LOCAL	1	

The PIP SET menu allows you to set Picture in Picture. Move cursor to PIP SET and press CH3 or CH4 button to enter menu. Then press CH1 or CH2 buttons to move up or down and press CH3 or CH4 to modify values. The PIP1, PIP2 and PIP3 refer to the different screen displays that can be selected by pressing the AUTO button. PIP1 shows the main channel and one sub picture. PIP2 shows the main channel and two sub pictures and PIP3 shows the main channel and 3 sub pictures. The SUB1 and SUB2 refer to the order of channels displayed. There is no SUB3 required on PIP3 as it knows what the missing channel is. Channels can only be selected once.

MAIN: Set one channel picture.

SUBn: Set channel for sub picture.

LOCATION: Set picture position of first PIP. There are four positions that can be selected.

Press the Menu button to exit menu.

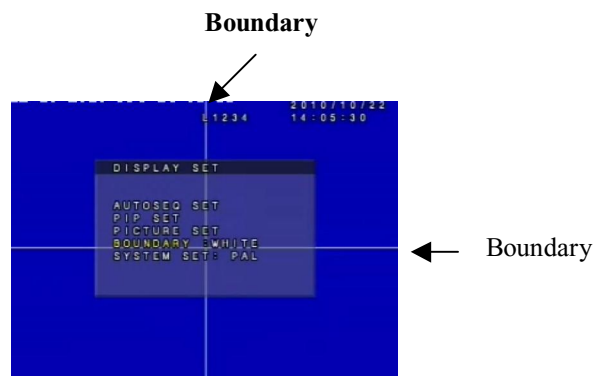## PICTURE SET

```
DISPLAY SET

AUTOSEQ    SET
PIP   SET
PICTURE    SET
BOUNDARY  : WHITE
SYSTEM SET  : PAL
```

```
PICTURE SET

CHANNEL SEL      : CH1

BRIGHTNESS      : 50
CONTRAST         : 50
```

The PICTURE SET menu allows you to set the brightness and contrast of each channel.
Move cursor to PICTURE SET and press CH3 or CH4 button to enter menu. Then press CH1 or CH2 buttons to move up or down and press CH3 or CH4 to modify values and select channel.
Press the Menu button to exit menu.

BOUNDARY

```
DISPLAY SET

AUTOSEQ    SET
PIP   SET
PICTURE    SET
BOUNDARY  : WHITE
SYSTEM SET  : PAL
```

Boundary

Boundary

The BOUNDARY option allows you to set the colour of the boundary lines shown above right.
Move cursor to BOUNDARY and press CH3 or CH4 button to enter menu. Then press CH1 or
CH2 buttons to move up or down and press CH3 or CH4 to change Boundary colour.
Select from WHITE, GREY, BLACK or OFF.
Press the Menu button to exit menu.

SYSTEM SET

```
DISPLAY SET

AUTOSEQ    SET
PIP   SET
PICTURE      SET
BOUNDARY   : WHITE
SYSTEM SET  : PAL
```

The SYSTEM SET option allows you to set the Video
Signal System either PAL or NTSC. PAL is used in the
UK.
Move cursor to SYSTEM SET and press CH3 or CH4
button to enter menu. Then press CH1 or CH2 buttons to
move up or down and press CH3 or CH4 to change to
PAL or NTSC.
Press the Menu button to exit menu.

ALARM MOTION SET

```
MAIN MENU

TITLE SET
TIME/DATE
DISPLAY SET
ALARM MOTION SET
RESTORE FACTORY SET
```

```
ALARM  /  MOTION

ALARM SET  (option not available)
MOTION SET
ALARM HISTORY
ALARM TIME        : 04   SEC
```

MOTION SET

```
MOTION SET

CHANNEL  SEL      : CH 1
ENABLE            : OFF
SENSITIVITY       : 00
SPATIAL           : 03
AREA
```

The MOTION SET option allows you to set the
Motion alarm parameter for each channel.
Move cursor to MOTION SET and press CH3 or CH4
button to enter menu. Then press CH1 or CH2 buttons
to move up or down and press CH3 or CH4 to change
Motion settings.

CHANNEL SEL   : Set channel number

ENABLE   : Set ENABLE ON or OFF
SENSITIVITY   : Set motion alarm sensitivity 00 ~ 10. 10 is highest sensitivity.
SPATIAL   : Set spatial sensitivity. 00 ~ 10. 10 is highest setting.
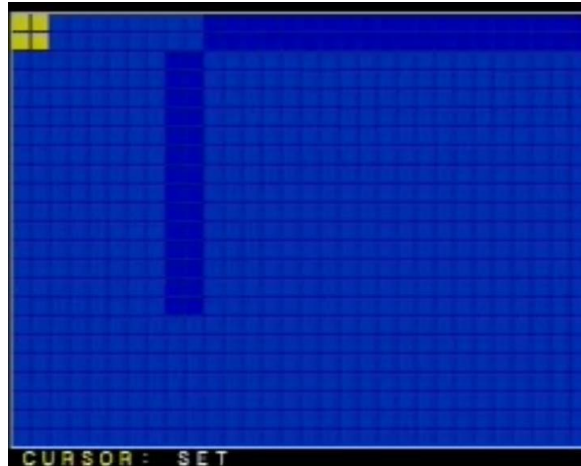AREA   : Set the motion alarm area. This is documented below.

AREA

```
MOTION SET

CHANNEL  SEL      :
CH 1
ENABLE            :
OFF
SENSITIVITY       : 00
SPATIAL           : 03
AREA
```

Select and enter AREA menu. The following is displayed:

Press Mode button to select area block and using channel buttons to move area block. Then when block colour becomes yellow, press channel buttons to select area. When the area is translucent it switches on the motion alarm for this area. Press Menu to exit.

ALARM HISTORY

```
ALARM / MOTION

ALARM SET  (option not available)
MOTION SET
ALARM HISTORY
ALARM TIME        : 04  SEC
```

Move cursor to ALARM HISTORY and press CH3 or CH4 button to enter menu. Then press CH1 or CH2 buttons to enter page of alarm. Press CH3 or CH4 to enter alarm history delete and select YES or NO using CH1 or CH2. Press Menu button to exit menu.

ALARM TIME

```
ALARM / MOTION

ALARM SET  (option not available)
MOTION SET
ALARM HISTORY
ALARM TIME     : 04  SEC
```

Move cursor to ALARM TIME and press CH3 or CH4 button to set the alarm time of buzzer. The time can be set from 0 ~ 99 seconds. The default is 4 seconds.
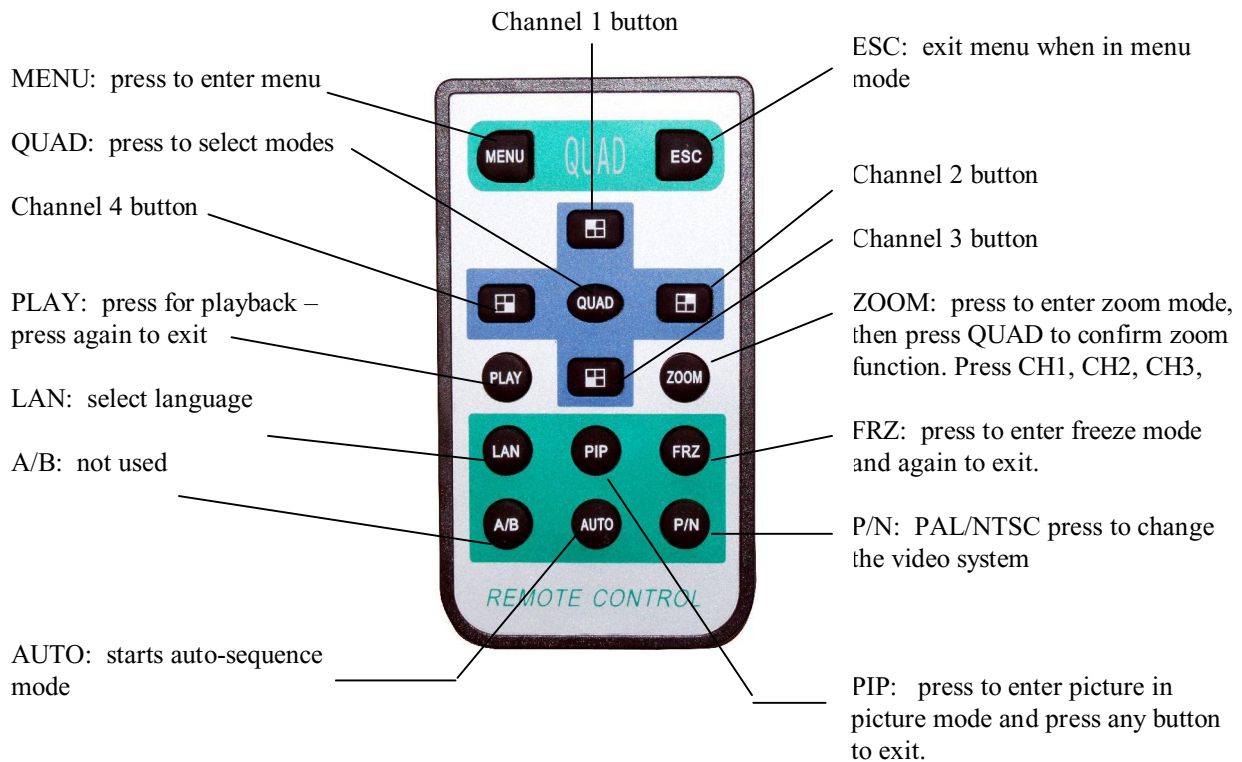
RESTORE FACTORY SET

MAIN MENU

TITLE SET
TIME/DATE
DISPLAY SET
ALARM MOTION SET
RESTORE FACTORY SET

Move the cursor to Restore Factory Set and press CH3 or CH4 buttons to restore factory default settings. When setting this option, the unit will continue alarming for a short period of time.

Press the Menu button to exit.

Technical Specifications	CCT266 Colour Quad Splitter
Video Mode/Frame Rate	PAL: 25 Frames per second / NTSC: 30 Frames per second
Resolution	PAL: 720 x 480 / NTSC: 720 x 576
Video Input	4 x composite video inputs 1v p~p 75ohn 1 x VCR video input 1v p~p 75ohn
Video Output	1 x monitor output 1v p~p 75ohn 1 x VCR output 1v p~p 75ohn
Alarm Output	The alarm output function is not enabled on this equipment.
Language	Chinese / English
Image setting	Brightness and Contrast
Power Consumption	800 mA
Operating Voltage	12v DC 1 Amp
Operating Temperature	-10ºC ~ +50ºC

Channel 1 button

ESC: exit menu when in menu mode

MENU: press to enter menu

QUAD: press to select modes

Channel 2 button

Channel 4 button

Channel 3 button

PLAY: press for playback – press again to exit

ZOOM: press to enter zoom mode, then press QUAD to confirm zoom function. Press CH1, CH2, CH3,

LAN: select language

FRZ: press to enter freeze mode and again to exit.

A/B: not used

P/N: PAL/NTSC press to change the video system

AUTO: starts auto-sequence mode

PIP: press to enter picture in picture mode and press any button to exit.