

Camera control menu

operator's guide

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Camera operation

During normal operation, use the joystick to control the pan and tilt movements as well as the required zoom settings.

The camera adapts its behaviour to suit each chosen telemetry control protocol. Where possible, native key sequences have been implemented to make the camera operation as close as possible to that expected from a given keyboard, e.g. pre-sets and tours can be programmed and recalled in the manner that an operator is familiar with.

Where it has not been possible to implement all of the features within a manufacturer's protocol, the extra features can be accessed via the camera's on-screen-menu.

Position presets and tours

The camera can store and provide access to the following position presets and tours:

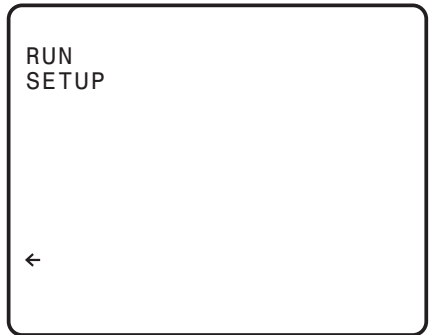
- 32 position presets
- 16 position preset tours (1 - 8 fast, 9 - 16 slow)
- 4 mimic tours (lasting up to one minute each)
- Individual wash and wipe position presets

To gain access to the position presets and tours

- 1 Press the Menu button (or select preset 2) on the keyboard to view this screen ➡

The RUN entry should be flashing.

Note: If you need to exit this screen, use the joystick to move the flashing highlight to the ← icon and press the Enter button on the keyboard.

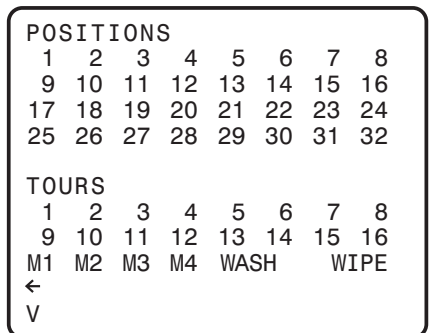


- 2 Press the Enter button on the keyboard.

The screen should now show a full list of all possible position presets and tours ➡

- 3 Use the joystick to move the flashing cursor to the required entry and then press the Enter button to select that entry.

If there is a position preset or tour programmed for that entry, then the camera will respond accordingly.



Camera menu

Menu access

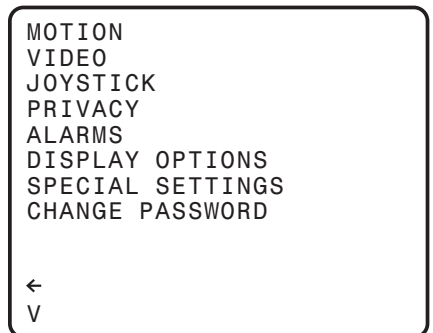
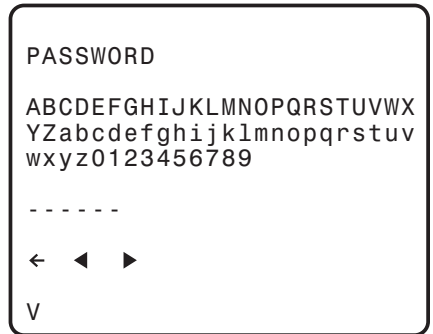
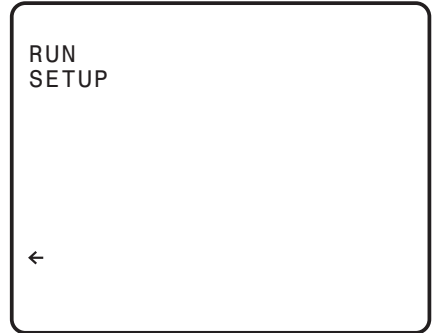
The camera is completely adaptable in order to best serve your requirements. All configuration is achieved via the menu.

To access the camera menu

- 1 Once the camera has completed its power on tests and is operating normally, press the Menu button (or select preset 2) on the keyboard. You should see the following options on the primary video screen ➡
- 2 Tilt the joystick up or down to move the flashing highlight from 'RUN' to 'SETUP'.
- 3 Press the Enter key (or preset 1) to select. The video screen will now request a six digit password ➡
- 4 Use the joystick to move the flashing highlight to the first required character and press the Enter key to select it. An asterisk will be entered in one of the six spaces below the grid of characters.

IMPORTANT: The default password is **AAAAAA**. Once you have entered the menu, you are strongly recommended to change the default password to prevent unauthorised access, please see page ??.

- 5 Repeat step 4 for each of the six password characters. After the sixth character is entered, either:
 - The six asterisks will be cleared, requiring you to enter the password again - if any characters were incorrect, or
 - The main menu will be displayed ➡



Menu navigation

Once you are within the menu, these tips will help you to successfully navigate:

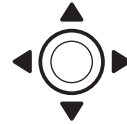
- Each menu screen consists of numerous options and items, only one of which is active at any time. The currently active option/item flashes to clearly highlight its presence.



- To select (or change) an option that is flashing, press the Enter button on your keyboard.



- To move to the next option, use the joystick to move the flashing highlight in the desired direction.

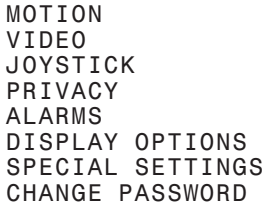


- To exit a screen, move the flashing highlight to the ← icon in the lower left corner of the screen and press the Enter button.

- Some menu screens have ◀ and ▶ icons which allow you to control a cursor when editing a line of text. Use the joystick to move the flashing highlight to the required arrow and press the Enter button.

Menu structure

Once you are within the menu, the top level screen options are arranged as follows:



MOTION
VIDEO
JOYSTICK
PRIVACY
ALARMS
DISPLAY OPTIONS
SPECIAL SETTINGS
CHANGE PASSWORD

←
V

MOTION

Allows you to create, alter and delete preset camera positions and tours. See page ??.

VIDEO

Settings related specifically to the camera elements, such as focus, shutter, zoom, gain, white balance, etc. See page ??.

JOYSTICK

Settings concerned with joystick operation, such as zoom control, speed, pan and tilt directions, camera unit orientation (upright/hanging), etc. See page ??.

PRIVACY

Allows black-out zones to be created in positions where images should not be taken, e.g. windows in private residences, etc. See page ??.

ALARMS

Alarms allow you to program the camera to respond in certain ways to one or more external alarm triggers. See page ??.

DISPLAY OPTIONS

Various settings related to the information that is overlaid on the primary video image, including text position and language, date and time, menu access preset, etc. See page ??.

SPECIAL SETTINGS

A collection of options that are not categorised elsewhere. These include: a power fail setting, timeout settings, memory settings, reset and recalibration options, etc. See page ??.

CHANGE PASSWORD

Allows you to create a new password for entry into the menu. You are recommended to change the default password at the earliest possible opportunity. See page ??.

Motion menu

This menu screen allows you to create, alter and delete up to 32 separate preset positions (and zoom settings) for the camera. You can also create up to 16 tours that link any number of preset positions together or create up to 4 mimic tours that record your manual camera movements so that they can be repeated. Finally, a 'wash' preset is also available to define a camera position that should be used whenever a wash command is issued from the keyboard.

During normal operation, you can select a position preset by pressing the Menu button on the keyboard and choosing the RUN on-screen option. From there, you can choose the required preset by number.

```
FORMAT POSITION
 1  2  3  4  5  6  7  8
 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32

SETUP TOUR
 1  2  3  4  5  6  7  8
 9 10 11 12 13 14 15 16
M1 M2 M3 M4 WASH
←
V
```

Position presets

To create or alter a position preset

1 In the Motion menu screen, use the joystick to highlight the required number within the FORMAT POSITION section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen position preset is already SET or NOT SET.

- 2 Highlight the STORE POSITION option and press the Enter button.
- 3 Use the joystick to move the camera to the required position and zoom setting.
- 4 Press the Enter button to store the new position. Alternatively, press the Menu button to return to the previous menu.

```
POSITION 1 - NOT SET

STORE POSITION
GOTO POSITION
EDIT POSITION TEXT
DELETE POSITION

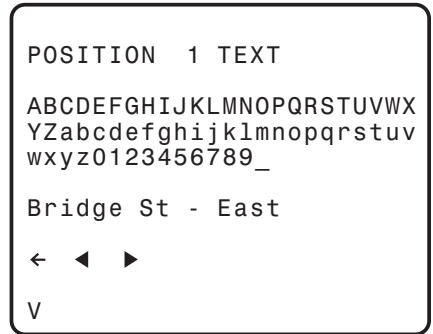
←
V
```

To delete a position preset

- 1 In the Motion menu screen, use the joystick to highlight the required number within the FORMAT POSITION section and press the Enter button.
- 2 Highlight the DELETE POSITION option and press the Enter button.
- 3 The position preset settings will be removed from memory and the SET suffix in the screen heading will change to NOT SET.

To edit the position preset text

- 1 In the Motion menu screen, use the joystick to highlight the required number within the FORMAT POSITION section and press the Enter button.
- 2 Highlight the EDIT POSITION TEXT option and press the Enter button.
- 3 Use the joystick to move the flashing highlight to the first required character and press the Enter key to select it. The selected character will be added to the text line, situated just above the ← icon.
- 4 Repeat step 3 for each required character. Also note:
 - A space character is available to the right of the '9'.
 - The ◀ and ▶ icons allow you to move along the text line.
- 5 When your text is complete, highlight the ← icon and press the Enter button to save your text.



To preview a position preset

- 1 In the Motion menu screen, use the joystick to highlight the required number within the Format Position section and press the Enter button.
- 2 Highlight the GOTO POSITION option and press the Enter button. The camera will adjust its pan, tilt and zoom to match the stored position preset settings.

Position Preset Tours

Tours allow you to link up to eight position presets together so that the camera can be made to visit each location in sequence on a continual basis. For each position preset visited, you can determine a dwell time between 1 and 30 seconds and also choose the speed of movement to the next position.

During normal operation, you can select a tour by pressing the Menu button on the keyboard and choosing the RUN on-screen option. From there, you can choose the required tour by number.

To create a tour

1 In the Motion menu screen, use the joystick to highlight the required number within the SETUP TOUR section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen tour is already SET or NOT SET.

2 Highlight the EDIT TOUR option and press the Enter button. The screen will now list all of the position preset numbers.

3 Highlight the required position preset number and press the Enter button.

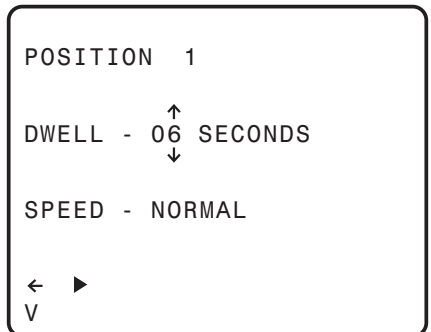
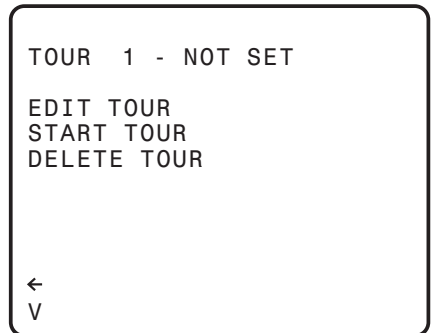
4 If necessary, change the DWELL time (the period spent at this position preset: 1 to 30 seconds) using the up or down arrows: Highlight an arrow and press the Enter button to change the value. When the value is correct, use the joystick to move the highlight.

5 If necessary, change the SPEED setting (the speed of movement to the next preset: SLOW, NORMAL or FAST). Highlight the current SPEED option and press the Enter button to change. When the setting is correct, use the joystick to move the highlight.

6 Move the highlight to the ► icon and press the Enter button. Now, in the preset selection screen, either:

- Add another preset: Highlight the next preset number and press the Enter button. Then repeat steps 4 to 6, or
- Finish adding presets and save: Highlight the ► icon and press the Enter button.

Note: The presets held within a tour are listed in the preset selection screen, just above the arrow icons. Use the ◀ icon to delete them, if necessary.



To preview a tour

- 1 In the Motion menu screen, use the joystick to highlight the required tour number within the SETUP TOUR section and press the Enter button.
- 2 Highlight the START TOUR option and press the Enter button. The camera will run through the listed preset position settings.

To stop the preview and regain manual control, move the joystick at any time.

To delete a tour

- 1 In the Motion menu screen, use the joystick to highlight the required tour number within the SETUP TOUR section and press the Enter button.
- 2 Highlight the DELETE TOUR option and press the Enter button.
- 3 The tour settings will be removed from memory and the SET suffix in the screen heading will change to NOT SET.

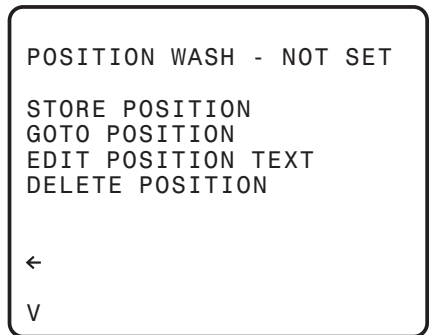
To set the wash/wipe position

This setting determines the tilt and pan position that the camera should assume whenever the wash option is selected. This allows the lens washing operation to be as effective as possible.

- 1 In the Motion menu screen, use the joystick to highlight the WASH option within the SETUP TOUR section and press the Enter button.

At the top of the subsequent menu screen it will state whether the wash position is already SET or NOT SET.

- 2 Highlight the STORE POSITION option and press the Enter button.
- 3 Use the joystick to move the camera to the required wash position.
- 4 Press the Enter button to store the new position. Alternatively, press the Menu button to return to the previous menu.



For details about editing position text, previewing and deleting, please refer to the details within the Position Presets section.

Mimic tours

Mimic tours allow you to define a series of tilt and pan movements plus zoom settings which the camera will follow exactly in a continuous loop. Up to four separate mimic tours can be created, each lasting up to one minute.

During normal operation, you can select a mimic tour by pressing the Menu button on the keyboard and choosing the RUN on-screen option. From there, you can choose the required mimic tour by number: M1 to M4.

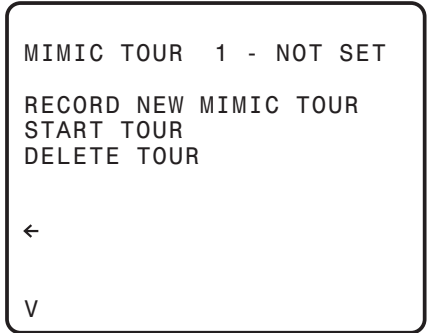
To create a mimic tour

- 1 In the Motion menu screen, use the joystick to highlight the required mimic tour number (M1 to M4) within the SETUP TOUR section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen mimic tour is already SET or NOT SET.

- 2 Highlight the RECORD NEW MIMIC TOUR option and press the Enter button.
- 3 Use the joystick take the camera through the required pan, tilt and zoom movements. The screen will show a countdown timer to indicate the remaining time available for the mimic tour.

- 4 To end and save the mimic tour recording, press the Enter button. To cancel the recording, press the Menu button.



To preview a mimic tour

- 1 In the Motion menu screen, use the joystick to highlight the required mimic tour number (M1 to M4) within the SETUP TOUR section and press the Enter button.
- 2 Highlight the START TOUR option and press the Enter button. The camera will run through the listed position preset settings.

To stop the preview and regain manual control, move the joystick at any time.

To delete a mimic tour

- 1 In the Motion menu screen, use the joystick to highlight the required mimic tour number (M1 to M4) within the SETUP TOUR section and press the Enter button.
- 2 Highlight the DELETE TOUR option and press the Enter button.

The tour settings will be removed from memory and the SET suffix in the screen heading will change to NOT SET.

Video menu

This menu screen contains all settings related directly to the actual camera imaging elements within the whole camera system.

In all cases, use the joystick to position the flashing highlight on the required option and press the Enter button to change between settings for that option (or, for the CAMERA SETUP and THERMAL SETUP options, to enter the next level).

Note: The THERMAL SETUP option is present only on Ti models.

PICTURE MODE	- COL / MON
POSITION FOCUS	- AUTO
NEAR FOCUS	- OFF
SHUTTER SPEED	- NORMAL
DIGITAL ZOOM	- OFF
FREEZE FRAME	- ON
VIDEO GAIN	- 1
VIDEO LIFT	- 1
CAMERA SETUP	
THERMAL SETUP	
←	
V	

PICTURE MODE

The primary camera has the ability to operate in monochrome (for low light operation) or colour or a combined mode where it automatically switches between the two modes according to the available light levels. Settings: COL/MON, MONO or COLOUR.

POSITION FOCUS

Controls the operator's ability to adjust the focus of the camera using the control panel when setting preset positioning. Settings: AUTO or MANUAL.

NEAR FOCUS

Determines whether, in a field of view containing near and far away objects, the camera should focus on the nearest object. For cameras located inside a building, setting this option to ON may result in the camera being unable to focus to an object outside a window. Settings: ON or OFF.

SHUTTER SPEED

Allows you to determine the shutter speed of the primary camera. Settings: AUTO, NORMAL, 1/10000, 1/3500, 1/1000 or 1/215 (of a second).

DIGITAL ZOOM

Allows you to enable or disable the digital zoom which, when enabled, is engaged when the optical zoom has been taken to its furthest limit. Settings: ON or OFF.

FREEZE FRAME

When enabled, the camera will change its display only when it arrives at a new position. Settings: ON or OFF.

VIDEO GAIN and VIDEO LIFT

In combination, these settings allow for the picture to be set up depending on variation in cable lengths and the environment that the camera is in. Settings: 1 to 8.

Camera setup menu

This sub-section allows you to make adjustments to the colour balance within the primary camera.

WHITE BALANCE

Allows you to choose between the various automatic colour balance schemes available and the manual setting. When the manual setting is chosen, the colour balance is controlled by the settings of the two options below. Settings: AWB (Automatic White Balance), ATW (Auto Tracking White), INDOOR, OUTDOOR or MANUAL.

MAN WB RED

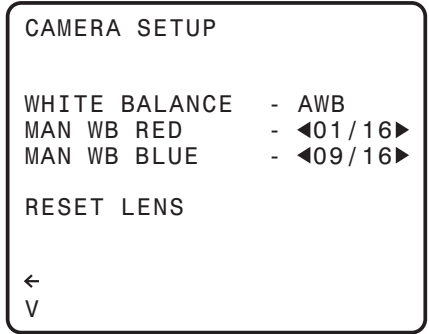
When the WHITE BALANCE option is set to MANUAL, this option controls the red intensity within the colour balance. Settings: 01 to 16.

MAN WB BLUE

When the WHITE BALANCE option is set to MANUAL, this option controls the blue intensity within the colour balance. Settings: 01 to 16.

RESET LENS

When selected, performs a reset operation on the camera lens.



Thermal setup menu (Ti)

This sub-section contains settings related solely to the thermal imaging camera (when fitted). *Note: The CAMERA CONTROL option must first be set to THERMAL in order to alter most of the options within this section.*

MAIN DISPLAY

Determines which camera (primary optical or thermal imaging) is routed through to the main video output. The other camera is fed to the secondary video output. Settings: NORMAL or THERMAL.

CAMERA CONTROL

Allows you to transfer control of camera zoom from the primary optical camera to the thermal imaging camera. Settings: NORMAL or THERMAL.

POLARITY

Determines how temperature ranges are represented within the thermal imaging camera video output. You can choose temperature ranges running from hot to cold to be represented as either white to black or black to white. Settings: W-HOT or B-HOT.

E-ZOOM

Determines the default electronic zoom level that should be used for the thermal imaging camera. In operation, the zoom level can be adjusted using the joystick as usual. Settings: X1, X2, X3 or X4.

A.TOUCH-UP TIME

Determines the period between automatic touch-up actions on the thermal video output. Settings: 30, 60, 120, 180, 300 or 600.

OPERATION MODE

Determines how temperatures are displayed on the thermal imaging video output. The Fire mode adds colourisation, temperature scale and a temperature reading for the area covered by the centre of the image (at the cross hairs). Settings: FIRE or SURVEY.

MAIN DISPLAY	-	NORMAL
CAMERA CONTROL	-	NORMAL
POLARITY	-	W-HOT
E-ZOOM	-	X1
A.TOUCH-UP TIME	-	30
OPERATION MODE	-	FIRE
SETUP	-	MANUAL
TEMP. SCALE	-	DEG C
COLOURISATION	-	ON
COLOUR SETTINGS		
←		
V		

continued

SETUP

Determines the configuration of the thermal core. This option is for workshop use only and should remain as AUTO at all times. Settings: AUTO or MANUAL

TEMP. SCALE

Determines which temperature scale (Celsius or Fahrenheit) is used when temperature overlays are enabled on the thermal imaging video output. Settings: DEG C or DEG F.

COLOURISATION

Enables or disables the representation of temperatures within the thermal imaging video output as colour shades. Use the COLOUR SETTINGS option to determine the relationship between colours and temperature ranges. Settings: ON or OFF.

COLOUR SETTINGS

Determines the relationships between temperature ranges and colour shading. You can individually adjust the temperature levels at which yellow, orange and red begin to be shown on screen. You can also set a maximum level for red. The COLOURISATION option must be set to ON for the colour shading to be seen. Settings: YELLOW MIN, ORANGE MIN, RED MIN and RED MAX.

Joystick menu

This menu screen contains various options related directly to pan, tilt and zoom control of the camera unit using the joystick.

ZOOM DIVIDE BY

When set to ON, this option scales the pan and tilt speeds according to the current zoom setting. This helps to make fine positional adjustments possible at high zoom settings. Settings: ON or OFF.

LINEAR SPEED

Determines the default speed of pan and tilt movements. *Note: Overshooting of camera positions may occur at higher speed settings.* Settings: 1 (slowest) to 8 (fastest).

ZOOM SPEED

Determines the camera's zoom speed. Settings: SLOW, NORMAL or FAST.

PAN DIRECTION

Determines the direction of rotation in response of the camera to pan movements of the joystick. Settings: NORMAL or REVERSE.

TILT DIRECTION

Determines the direction of rotation in response of the camera to tilt movements of the joystick. Settings: NORMAL or REVERSE.

L/R CURSOR

Determines the direction of cursor movement within setup menus in response to left/right movements of the joystick. Settings: NORMAL or REVERSE.

U/D CURSOR

Determines the direction of cursor movement within setup menus in response to left/right movements of the joystick. Settings: NORMAL or REVERSE.

FLIP MODE

When enabled, this option automatically pans the camera through 180 degrees whenever a manual tilt operation reaches the vertical point. This then allows the tilt operation to continue with the camera moving in the opposite direction. Settings: OFF or B-FLIP.

UNIT MOUNTING

Determines how the video image should be presented to the screen according to how the camera is mounted. Settings: UPRIGHT, HANGING or INCLINE.

REHOME MARGIN

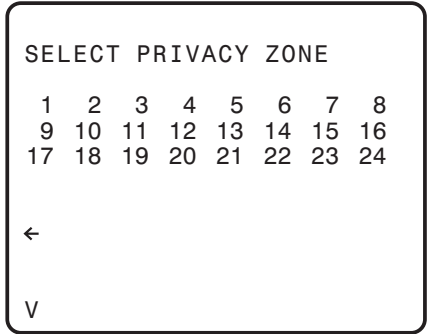
???? Settings: LOW, NORMAL or HIGH.

ZOOM DIVIDE BY	- ON
LINEAR SPEED	- 5
ZOOM SPEED	- NORMAL
PAN DIRECTION	- NORMAL
TILT DIRECTION	- REVERSE
L/R CURSOR	- NORMAL
U/D CURSOR	- NORMAL
FLIP MODE	- OFF
UNIT MOUNTING	- HANGING
REHOME MARGIN	- NORMAL
←	
V	

Privacy menu

Allows you to create up to 24 zones where a black-out overlay will be superimposed to prevent image capture from sensitive or inappropriate areas, e.g. windows in private residences, etc.

Although 24 privacy zones can be stored, the camera can display 8 zones on screen at any one time. If there are more than 8 privacy zones in view, only the first 8 will be displayed.



To create a privacy zone

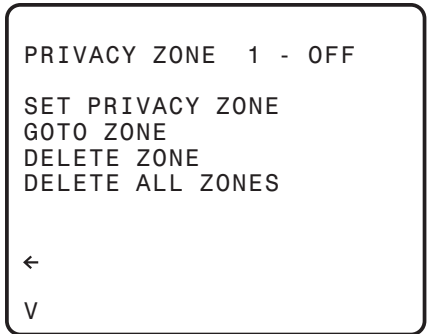
1 In the Privacy menu screen, use the joystick to highlight the required privacy zone number and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen privacy zone is already ON or OFF.

2 Highlight the SET PRIVACY ZONE option and press the Enter button.

3 Use the joystick to pan, tilt and zoom the camera such that the total area that you wish to black-out fills the frame.

4 Press the Enter button to create the new privacy zone - the entire frame will now change to black. Alternatively, press the Menu button to return to the previous menu. Exit the menu system as normal and zoom out or move the camera away from the privacy zone to regain a view.



To delete a privacy zone

1 In the Privacy menu screen, use the joystick to highlight the required privacy zone number and press the Enter button.

2 Highlight the DELETE ZONE option and press the Enter button.

The selected privacy zone will be removed from memory and the ON suffix in the screen heading will change to OFF.

To delete all privacy zones

1 In the Privacy menu screen, use the joystick to highlight any privacy zone number and press the Enter button.

2 Highlight the DELETE ALL ZONES option and press the Enter button.

All privacy zones will be removed from memory.

Alarms menu

Alarms allow you to program the camera to respond in certain ways to one or more external alarm triggers. Available camera responses that can be linked to each alarm trigger are:

- Go to a particular position preset,
- Initiate a preset tour or mimic tour,
- Carry out a lens wash or wipe function, or
- Switch the primary camera into mono-chrome mode for use with external infra-red illumination.

Responses for up to 32 separate external alarm inputs can be individually configured. Additionally, alarm masks and alarm holidays can be created to temporarily de-activate alarms during periods when responses are not required:

- Alarm masks - Up to ten separate masks can be created to create specific periods on particular days of the week when the camera should ignore any alarm inputs.
- Alarm holidays - Up to ten specific days of the year can be designated to ignore any alarm inputs.

Alarms

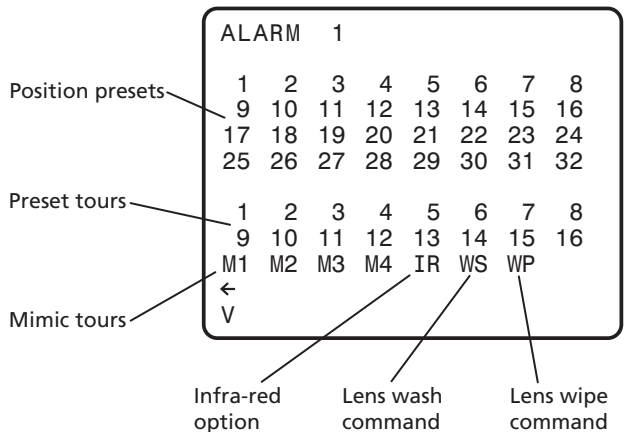
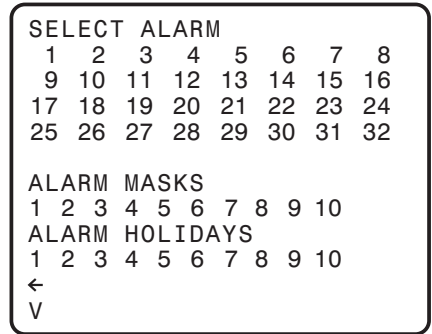
To define an alarm response

1 In the Alarms menu screen, use the joystick to highlight the required number within the SELECT ALARM section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen alarm is already SET or NOT SET.

2 Highlight the SELECT NEW ALARM ACTION option and press the Enter button. The screen will now list all of the available position preset numbers, preset tours, mimic tours and other functions ➡

Note: *The IR option switches the primary camera into mono-chrome mode, ready for use with external infra-red illumination.*



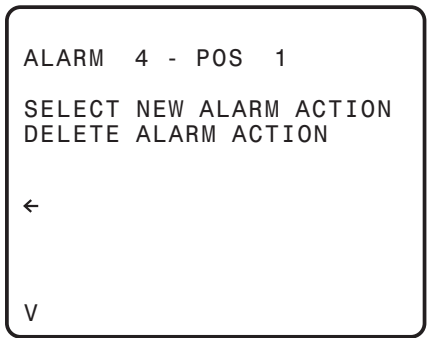
3 Highlight the required number/function and press the Enter button.

You will be returned to the previous screen, where it will confirm the chosen preset position, tour, IR switch, wash or wipe function as a suffix to the title.

Note: The mimic tours M1 to M4 are represented in the title suffix as 'TOUR 17' to 'TOUR 20', respectively.

Your chosen action will occur:

- Whenever the appropriate numbered alarm is triggered by an external input, *on condition that:*
- No Alarm Masks or Alarm Holidays are active at the time.



To delete an alarm

1 In the Alarms menu screen, use the joystick to highlight the required number within the SELECT ALARM section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen alarm is already SET or NOT SET.

2 Highlight the DELETE ALARM ACTION option and press the Enter button.

Alarm masks

Up to ten separate masks can be created to create specific periods on particular days of the week when the camera should ignore any alarm inputs.

To define an alarm mask

1 In the Alarms menu screen, use the joystick to highlight the required number within the ALARM MASKS section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen alarm mask is already SET or NOT SET.

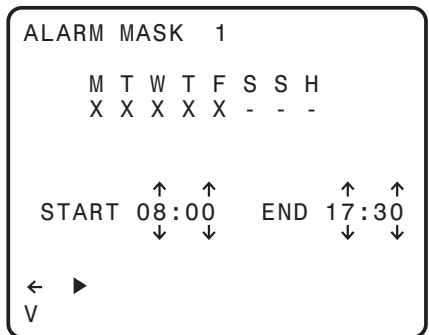
2 Highlight the EDIT ALARM MASK option and press the Enter button.

3 Highlight the first day (M, T, W, etc.) for which you wish to mask any incoming alarm calls and press the Enter button.

An X will be placed below the day letter to indicate that it has been selected.

Repeat this for all days which you wish to prevent alarms occurring (within the time frame that you will define next).

Note: H stands for 'Holiday' and, when selected, ?????



- 4 Set the time at which you wish the alarm mask to START (on the days that you have selected). As necessary, highlight the up or down arrows on the hour or minute sections and press Enter to set the time accordingly.
- 5 Set the time at which you wish the alarm mask to END. As necessary, highlight the up or down arrows on the hour or minute sections and press Enter to set the time accordingly.
- 6 When all settings have been made, highlight the ► icon and press the Enter button.

You will be returned to the previous menu and the screen title suffix should show: SET.

The alarm mask is now ready and will come into action at the set times on the chosen days to prevent any incoming alarm triggers from being acted upon.

You can use further alarm mask settings to define other combinations of days and time periods in which incoming alarms should be ignored.

Note: For correct operation, ensure that the current date and time used by the camera are correct, see page ??.

To delete an alarm mask

- 1 In the Alarms menu screen, use the joystick to highlight the required number within the ALARM MASKS section and press the Enter button.
At the top of the subsequent menu screen it will state whether your chosen alarm is already SET or NOT SET.
- 2 Highlight the DELETE ALARM MASK option and press the Enter button.

To delete all alarm masks

- 1 In the Alarms menu screen, use the joystick to highlight the any number within the ALARM MASKS section and press the Enter button.
- 2 Highlight the DELETE ALL ALARM MASKS option and press the Enter button.

Alarm holidays

Up to ten specific days of the year can be designated to ignore any alarm inputs.

To define an alarm holiday

1 In the Alarms menu screen, use the joystick to highlight the required number within the ALARM HOLIDAYS section and press the Enter button.

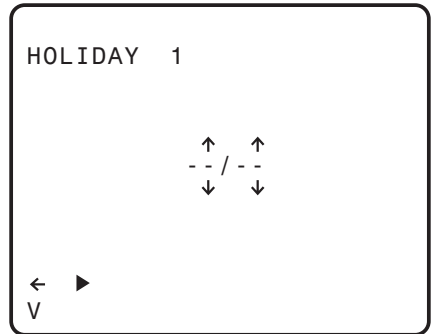
At the top of the subsequent menu screen it will state whether your chosen alarm holiday is NOT SET or has an existing holiday date.

2 Highlight the EDIT HOLIDAY option and press the Enter button.

3 Set the day that you wish the alarm holiday to be active. Highlight the up or down arrows on the day adjuster (to the left of the slash) and press Enter to set the date accordingly.

4 Set the month that you wish the alarm holiday to be active. Highlight the up or down arrows on the month adjuster (to the right of the slash) and press Enter to set the month accordingly.

6 When the full date has been chosen, highlight the ► icon and press the Enter button.



You will be returned to the previous menu and the screen title suffix should show the day and month settings that you chose.

The alarm holiday is now ready and will come into action on the chosen day to prevent any incoming alarm triggers from being acted upon.

You can use further alarm holiday settings to define a range of days on which incoming alarms should be ignored.

Note: For correct operation, ensure that the current date and time used by the camera are correct, see page ??.

To delete an alarm holiday

1 In the Alarms menu screen, use the joystick to highlight the required number within the ALARM HOLIDAYS section and press the Enter button.

At the top of the subsequent menu screen it will state whether your chosen alarm is already NOT SET or has a holiday date.

2 Highlight the DELETE HOLIDAY option and press the Enter button.

To delete all alarm holidays

1 In the Alarms menu screen, use the joystick to highlight the any number within the ALARM HOLIDAYS section and press the Enter button.

2 Highlight the DELETE ALL HOLIDAYS option and press the Enter button.

Display Options

This menu contains various settings related to the information that is overlaid on the primary video image.

INFO DISPLAY

Determines whether information is overlaid on the primary video output. Settings ON or OFF.

INFO ALIGNMENT

Determines the positioning of the on screen information, when it is enabled. Settings: LEFT or RIGHT.

ERROR DISPLAY

Determines whether error warnings should be displayed on the primary video output. Settings: ON or OFF.

LANGUAGE

Selects the language used to display the menu screens. Settings: ENGLISH, FRENCH, DEUTSCH, ITALIAN or ESPAÑOL.

POS TEXT ALIGN

Determines where the position text (the on screen labels that can be used for each camera position preset) should be aligned. Settings: LEFT or RIGHT.

DFLT POS TEXT

Determines whether a default position text label should be displayed for position presets that have not had text assigned to them. Use the EDIT DEFAULT POS TEXT option to edit the text. Settings: ON or OFF.

EDIT DEFAULT POS TEXT

Allows you to create/edit a default text label that will be displayed on screen (if the DFLT POS TEXT option is set to ON) for any visited preset position that does not already have its own text label. The displayed default text will be suffixed with the number of the position preset. For hints about how to edit text within this option, please refer to a similar process described in steps 3 to 5 of the section 'To edit the position preset text' on page ??.

DISPLAY ERROR LIST

Allows you to view a list of any errors encountered by the camera unit. Each error are listed alongside the date and time of the occurrence. The CNT column shows the number of times an error has occurred. In the first three lines: 1ST shows the first error since the log was last cleared; APU shows the first error since the unit was last powered on and LST, the last error to occur.

If necessary, use the ◀ and ▶ icons to move up and down the list. There is also an option to CLEAR ALL ERRORS.

```
INFO DISPLAY      - ON
INFO ALIGNMENT   - LEFT
ERROR DISPLAY     - OFF
LANGUAGE          - ENGLISH
POS TEXT ALIGN   - LEFT
DFLT POS TEXT     - ON
EDIT DEFAULT POS TEXT
DISPLAY ERROR LIST
DATE AND TIME SETUP
MENU PRESET      - ◀09▶
◀
V
```

DATE AND TIME SETUP

Select this option to configure all settings related to the date and time used by the camera.

Note: When using alarm masks and alarm holiday settings, it is vital that the time and date are set correctly.

DATE FORMAT

Determines the way in which the date is represented on the primary video output. Settings: OFF, SHORT, MEDIUM or LONG.

TIME FORMAT

Determines the way in which the time is represented on the primary video output. Settings: OFF, SHORT, MEDIUM or LONG.

EDIT DATE

1 Highlight the EDIT DATE option and press the Enter button.

The three date adjusters will be shown in the order DD/MM/YY.

2 In turn, adjust the day, month and year entries. In each case, highlight the up or down arrows for that entry and press Enter to change the values accordingly.

3 When the full date has been chosen, highlight the ► icon and press the Enter button.

You will be returned to the previous menu and, if the date display is enabled, you will see the date settings that you chose.

EDIT TIME

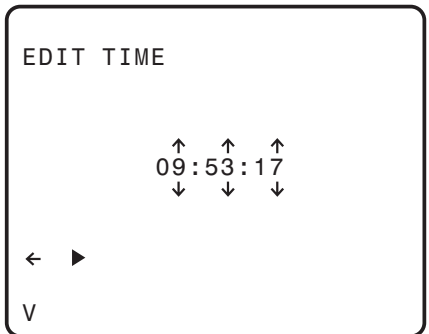
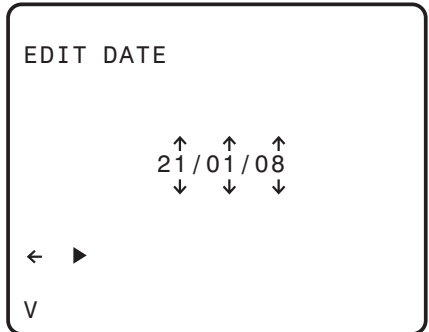
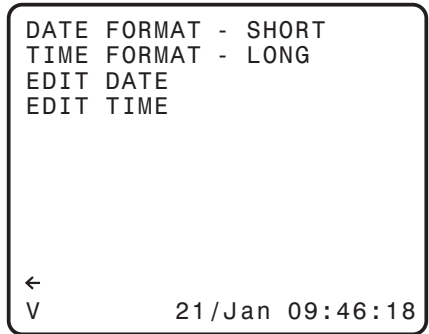
1 Highlight the EDIT TIME option and press the Enter button.

The three time adjusters will be shown in the order HH:MM:SS.

2 In turn, adjust the hours, minutes and second entries. In each case, highlight the up or down arrows for that entry and press Enter to change the values accordingly.

3 When the time has been chosen, highlight the ► icon and press the Enter button.

You will be returned to the previous menu and, if the date display is enabled, you will see the time settings that you chose.



MENU PRESET

Determines which keyboard preset value should be used to call up camera menu system. Whichever preset is chosen for menu access, the camera will always respond to that preset command from the keyboard by entering the menu - you will not be able to also use that preset number to take the camera to a position preset. However, any position preset can be recalled by using the RUN menu.

The default value is preset 2. Settings: 2 to 89.

Special Settings

This menu screen contains a mixture of options that are not classified elsewhere within the menu.

POWER FAIL

Determines how the camera should respond following the restoration of power. Settings: P/T/JOY (camera will return to a position preset, tour or joystick position), P/T camera will return to a tour or a position preset) and OFF executes no power fail action.

HOST POLLING

This option is used for some control panels that require a regular 'heartbeat' signal response from the camera. Settings ON or OFF.

TIMEOUT TIME

Allows you to define a time period (since the last keyboard command was received), after which the camera will carry out an action determined by the setting within the TIMEOUT ACTION option.

TIMEOUT ACTION

Determines what action should be taken if there has been no user command issued within the period defined by the TIMEOUT TIME option. You can choose from any of the position presets, position preset tours or mimic tours.

Note: The TIMEOUT TIME must be set in order to enable the timeout action.

CLEAR MEMORY ERRORS

Checks and repairs any errors in the memory.

RUN MEMORY TEST

Tests the validity of the camera unit's memory.

RELOAD FACTORY DEFAULTS

Resets the camera unit to its default settings, after which the camera will reset and recalibrate itself.

RESET HEAD

Initiates a complete power on start up of the camera unit.

HOME SERVOS

Performs a recalibration of the camera servo motors.

SOFTWARE VERSION

Displays information about the camera unit's internal software.

```
POWER FAIL      - P/T/JOY
HOST POLLING    - OFF
TIMEOUT TIME    - OFF
TIMEOUT ACTION  - NOT SET
CLEAR MEMORY ERRORS
RUN MEMORY TEST
RELOAD FACTORY DEFAULTS
RESET HEAD
HOME SERVOS
SOFTWARE VERSION
←
V
```

Change Password

During installation, you are strongly recommended to change the default password (AAAAAA) for the camera unit.

To change the password

- 1 In the main menu screen, highlight the CHANGE PASSWORD option and press the Enter button.

The screen will ask you to: ENTER OLD PASSWORD.

- 2 Use the joystick to move the flashing highlight to the first required character and press the Enter key to select it. An asterisk will be added to the password entry line, situated just above the ← icon.



Note: The ◀ and ▶ icons allow you to move along the entry line, as necessary.

- 3 Repeat step 2 for each character of the old password.
After the last character has been entered (providing the entered characters were correct), the screen will ask you to: ENTER NEW PASSWORD.
- 4 Using the same technique as above, enter your new six character password.
After the last new character has been entered, the screen will ask you to: CONFIRM NEW PASSWORD.
- 5 Using the same technique as above, re-enter your new six character password.
If the characters that you entered in steps 4 and 5 match, the screen will return to the main menu.

