TOA

COMBINATION CAMERA

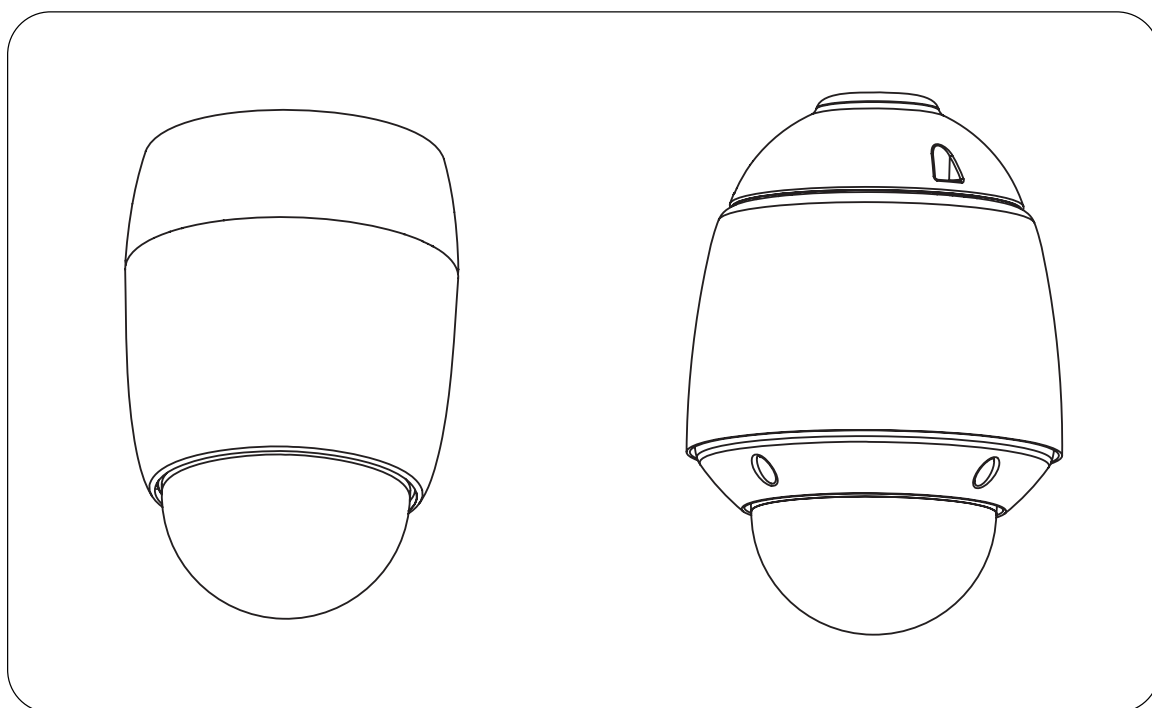**C-CC514 NT, C-CC514 PL**
C-CC564 NT, C-CC564 PL
C-CC574 NT, C-CC574 PL

OUTDOOR COMBINATION
CAMERA

C-CC714 NT, C-CC714 PL
C-CC764 NT, C-CC764 PL
C-CC774 NT, C-CC774 PL

Thank you for your purchasing TOA's Combination Camera. Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

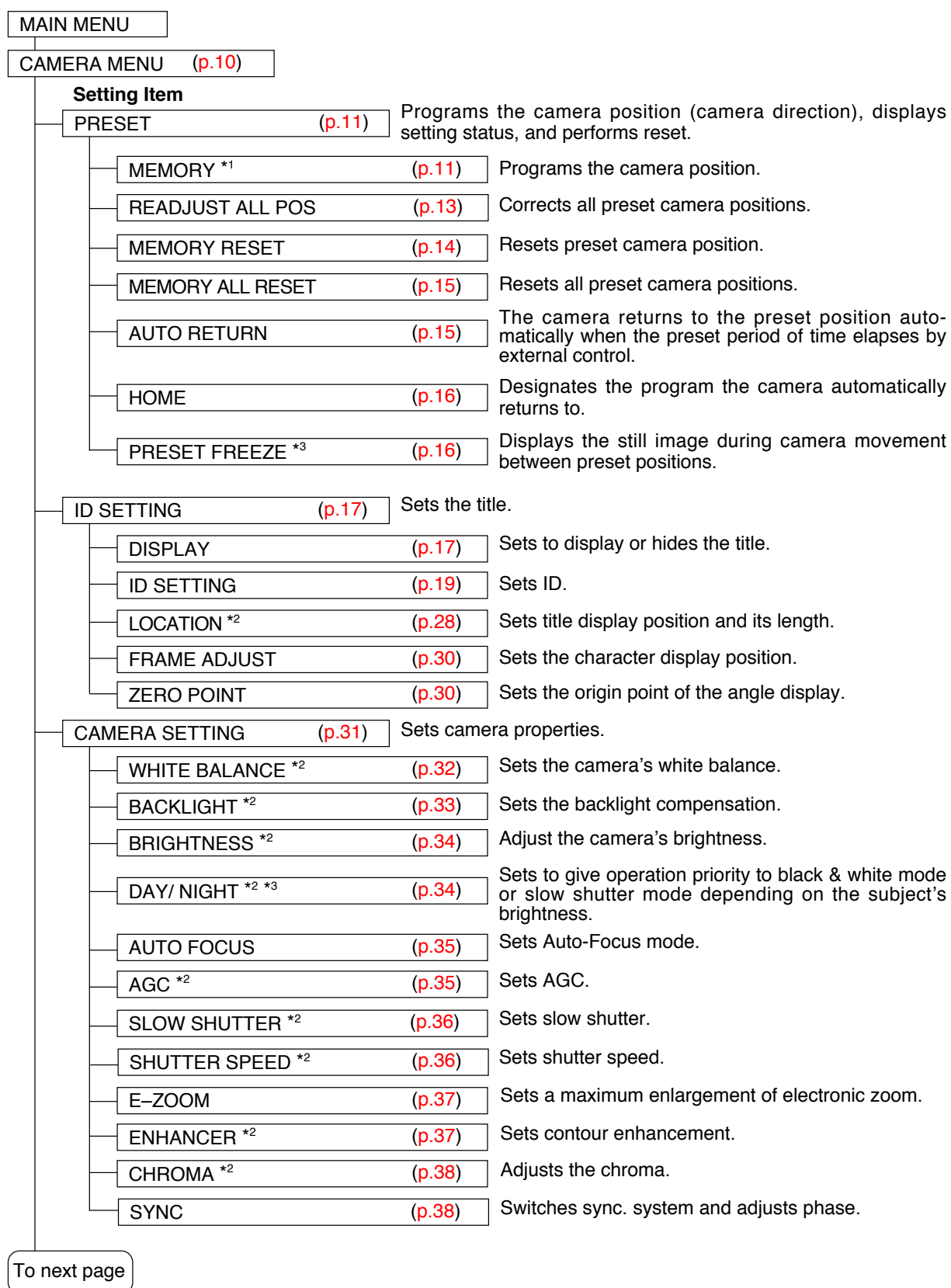# TOA Corporation

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1. SETTING ITEMS GUIDE

The camera menu screens are comprised of the following setting item screens.

MAIN MENU

CAMERA MENU   (p.10)

Setting Item

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MEMORY *1   (p.11)   Programs the camera position.

READJUST ALL POS   (p.13)   Corrects all preset camera positions.

MEMORY RESET   (p.14)   Resets preset camera position.

MEMORY ALL RESET   (p.15)   Resets all preset camera positions.

AUTO RETURN   (p.15)   The camera returns to the preset position automatically when the preset period of time elapses by external control.

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ID SETTING   (p.19)   Sets ID.

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PRIVACY MASK *3	(p.77)	Sets privacy masking area.
LANGUAGE	(p.10)	Selecting the language.

*1 Setting for this item can be entered by the Main Menu screen not by the Camera Menu screen when the equipments other than the C-RM500 are connected.
*2 Can also be changed for individual positions at the Camera setting screen for individual positions.
*3 Can be only set for the C-CC564, C-CC574, C-CC764 and C-CC774.
*4 Can be only set for the C-CC564 and C-CC574.
*5 Can be only set for the C-CC574 and C-CC774.

Note

The name of article of the text is displayed as follows;

C-CC514: C-CC514 NT or C-CC514 PL
C-CC564: C-CC564 NT or C-CC564 PL
C-CC574: C-CC574 NT or C-CC574 PL
C-CC714: C-CC714 NT or C-CC714 PL
C-CC764: C-CC764 NT or C-CC764 PL
C-CC774: C-CC774 NT or C-CC774 PL

2. BEFORE SETTING

2.1. Address Display When Turning Power On

When the camera's power is turned on, the camera performs the initial operation (initializing operation) and simultaneously the camera address appears on the monitor. After the completion of initial operation and peripheral device connections, the camera can be controlled and the camera address screen will disappear.

Notes
- In the place of "***", a camera address such as "001" will be displayed.
  The area on the screen at right will flash.
- The alphabets and numeral appearing in the place of "*****-*****" of the screen are for maintenance, not the indication caused by equipment failure.

```
CAMERA  ADDRESS ***

P – N T S C
* * * * * – * * * * *
3 8 4 0 0 B P S




X X X X X X X O   X X X X X X X   X X O X X
```

Camera address screen

2.2. Keys Used to Settings

Settings can be performed by the equipment itself to be controlled or from the remote controller connected to the equipment.

Use the joystick and each key on the C-RM500.

[C-RM500 Top]

Menu start switch

Numerical keypad

Zoom key   Focus key   Joystick   Clear key   Set key

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2.3. Setting Basic Operation

Menu screen to be displayed and the operation slightly differ depending on the connected equipment, however there is no difference in basic operation.
More particularly, refer to the instruction manual, operation manual or set up manual enclosed with each equipment.

Menu key
・Use the Menu Start switch to enter the menu screen or exit the menu screen.
・Press the Menu Start switch to exit the menu screen in any screen status.

Joystick key
・Tilt the joystick upward or downward to move the cursor position on the setting items.
・Tilt the joystick left or right to change the setting contents.
・Used to rotate the camera when performing preset settings or Auto Mode camera settings.

Set key
Press the Set key to determine the setting items or setting contents, moving the cursor or to the next setting, followed by screen change.

Clear key
・Press the Clear key to return the screen from the current screen (or status) to the last previous screen (status).
・Used to correct figures entered.

Numerical keypad
Used to enter camera number and camera position number.

Zoom key
Used to perform preset and zoom operation settings.

Focus key
Used to perform preset and focus operation settings.

[Operation Method]

	C-RM500
Menu Screen Display Menu Screen Exit	Menu Start switch
Setting contents Change	Tilt joystick upward/ downward/ left/ right
Setting item selection	Tilt joystick upward/ downward/ left/ right
Setting item determination	Set key
Returning setting screen	Clear key
Figure clear	Clear key
Camera number setting Position setting	Numerical Keypad
Zoom setting	Zoom key
Focus setting	Focus key

3. ENTERING CAMERA MENU SCREEN

1. Press the Menu key. (When a password is required, enter it with the numerical keypad.) The menu screen is displayed on the remote controller's liquid crystal display.

Menu

OPERATION MODE

2. With the joystick, select "CAMERA MENU" and press the Set key.
   The display is placed in the standby mode for the entry of a camera number to call up the camera menu.
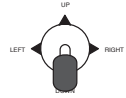
CAMERA MENU ∗ ∗ ∗ CH

3. Enter the camera number with the numerical keypad, and press the Set key. The liquid crystal display shows the selected camera's camera menu screen.

(Example)   1 ➡ 2 ➡ SET ⇨
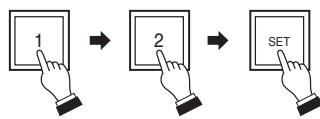
```
CAMERA MENU
➡PRESET
 ID SETTING
 CAMERA SETTING          CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE              ENGLISH
```
Camera menu screen

4. Select the desired item with the joystick, and perform the required settings on each setting screen.

3.1. Selecting the Language

The language to be displayed on the screen can be selected among English, German, French and Italian. (Factory default: English)

1. Select "LANGUAGE" on the Camera Menu screen with the joystick, then press the Set key.
   The arrow (➡) moves to "ENGLISH" (factory default).

```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING          CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE            ➡ ENGLISH
```
Language selecting screen

2. Select "ENGLISH," "DEUTSCH," "FRANÇAIS," or "ITALIANO" with the joystick, then press the Set key.
   The screen switches to the Menu screen of the selected language.

4. SETTING PRESETS

Settings such as camera direction, lens angular field of view, and focus can be preset in advance. Up to 255 positions can be set.

4.1. Entering Presets Into the Memory

Note
Positions cannot be preset in the electronic zoom range (p. 37) or in flip mode (p. 68).
Presetting is possible only for parts other than the electronic zoom or when the Flip function has been disabled. It is recommended that the Auto-Flip function (p. 68) be temporarily turned off when entering presets into the memory of the C-CC564, C-CC574, C-CC764 or C-CC774.

1. Select "PRESET" on the camera menu screen and press the Set key.
   The Preset Settings screen is displayed.

```
CAMERA MENU
➡PRESET
 ID SETTING
 CAMERA SETTING       CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE          ENGLISH
```
Camera menu screen

→

```
        *PRESET*
➡MEMORY
 READJUST ALL POS    ***POS
 MEMORY RESET
 MEMORY ALL RESET      NO
 AUTO RETURN          OFF
 HOME                1POS
 PRESET FREEZE        OFF
```
Preset setting screen
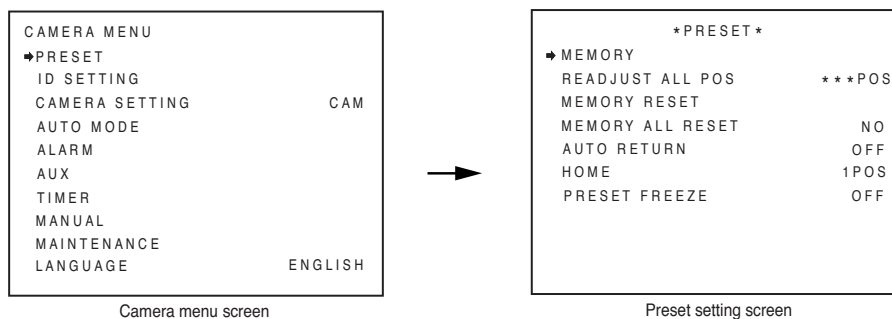
2. Select "MEMORY" and press the Set key.
   The arrow key (→) moves in the place of "***."

```
            *PRESET*
 MEMORY           ➡***POS
- - - - - - - - - - - - - - - - - - - - - -
   1 : O           9 : X
   2 : O          10 : X
   3 : O          11 : X
   4 : O          12 : X
   5 : O          13 : X
   6 : O          14 : X
   7 : O          15 : X
   8 : O          16 : X
```
Preset memory screen

3. Enter the camera position number with the numerical keypad, and press the Set key. The place of "***" shows the input camera number.

   Note: Positions between 1 and 255 can be set.

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4. Press the Set key.
   The position setting screen (the selected camera image) is displayed.

   Note
   "∗∗∗ – ∗∗∗" on the first line of the Setting screen indicates the camera number on the left and the position number on the right.

5. Operating the joystick, Zoom key, and Focus key, move the camera to the desired position, then press the Set key.

6. Operate the joystick, Zoom key, and Focus key further more to fine adjust, then press the Set key.
   The designated camera position for preset memory is performed.

```
∗ ∗ ∗ – ∗ ∗ ∗
SETTING
```

Preset memory setting screen

```
∗ ∗ ∗ – ∗ ∗ ∗
FINE SETTING
```

Preset memory fine setting screen

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4.2. Global Preset Memory Correction

This function simultaneously resets all preset camera panning positions. The deviation of one camera position is measured, based on which all other positions are globally corrected. When performing this global correction, use the position on the telescope side whenever possible.

1. Select "PRESET" on the camera menu screen and press the Set key.
   The Preset Settings screen is displayed.

2. Select "READJUST ALL POS" with the joystick and press the Set key.

3. Enter the camera position number with the numerical keypad, and press the Set key. The Entered figure is displayed.

4. Press the Set key.
   Preset memory correction screen is displayed.

   Note
   If a number not used for the preset memory setting is entered, that number is displayed, however the preset memory correction screen is not displayed. Enter the figures that are used for the preset memory setting.

5. After adjusting the panning direction with the joystick, press the Set key.
   All preset memory positions can be corrected.

```
              * P R E S E T *
  M E M O R Y
➔ R E A D J U S T   A L L   P O S        * * * P O S
  M E M O R Y   R E S E T
  M E M O R Y   A L L   R E S E T         N O
  A U T O   R E T U R N                   O F F
  H O M E                                 1 P O S
  P R E S E T   F R E E Z E               O F F
```

Preset setting screen

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4.3. Preset Memory Reset

1. Select "PRESET" on the camera menu screen and press the Set key.
   The Preset Settings screen is displayed.

```
            * P R E S E T *
    M E M O R Y
    R E A D J U S T   A L L   P O S       * * * P O S
  ➜ M E M O R Y   R E S E T
    M E M O R Y   A L L   R E S E T            N O
    A U T O   R E T U R N                   O F F
    H O M E                               1 P O S
    P R E S E T   F R E E Z E               O F F
```

Preset setting screen

2. Select "MEMORY RESET" with the joystick and press the Set key.

3. Enter the desired number to be erased with the numerical keypad, and press the Set key. The Entered figure is displayed.

   Note
   Position No. 1 cannot be deleted. Entering "1" makes the entry invalid.

```
            * P R E S E T *
    R E S E T                       ➜ * * * P O S
  - - - - - - - - - - - - - - - - - - - - - - - - -
      1 :  O                      9 :  X
      2 :  O                     10 :  X
      3 :  O                     11 :  X
      4 :  O                     12 :  X
      5 :  O                     13 :  X
      6 :  O                     14 :  X
      7 :  O                     15 :  X
      8 :  O                     16 :  X
```

Preset reset confirmation screen

4. Press the Set key.
   The number entered is selected and "RESET OK?" appears below the number.

5. Press the Set key.
   The stored position is erased.
   Position setting item screen is displayed after setting completion.

```
    * * * - * * *
    R E S E T   O K ?
```

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4.4. Preset Memory All Reset

Deletes all preset position data.

1. Select "PRESET" on the camera menu screen and press the Set key.
   The Preset Settings screen is displayed.

2. Select "MEMORY ALL RESET" with the joystick and press the Set key.

3. Select "YES" with the joystick and press the Set key.
   Deletes all preset position data.

```
            *PRESET*
  MEMORY
  READJUST ALL POS      ***POS
  MEMORY RESET
 ➡MEMORY ALL RESET          NO
  AUTO RETURN               OFF
  HOME                     1POS
  PRESET FREEZE             OFF


```

Preset setting screen

4.5. Automatic Return Setting

This function is used to determine operation when the camera is not controlled at all. The camera automatically reverts to the initially set program when the preset period of time elapses after the controller's control has been finished.

1. Select "PRESET" on the camera menu screen and press the Set key. The Preset Settings screen is displayed.

2. Select "AUTO RETURN" with the joystick and press the Set key.

3. With the joystick, select "OFF," "5s," "10s," "15s," "20s," "30s," "45s," "1min," "3min," or "5min," then press the Set key.
   The program to which the camera will automatically return or release (OFF) is then set.

Note
This function operates separately from the automatic return function of the C-RM500, disabling the automatic return hold function by way of alarm hold of the C-RM500. If hold function is required, use the automatic return function of the C-RM500.

```
            *PRESET*
  MEMORY
  READJUST ALL POS      ***POS
  MEMORY RESET
  MEMORY ALL RESET          NO
 ➡AUTO RETURN               OFF
  HOME                     1POS
  PRESET FREEZE             OFF


```

Preset setting screen

4.6. Home Setting

Designate the program the camera automatically returns to.

1. Select "PRESET" on the camera menu screen and press the Set key. The Preset Settings screen is displayed.

2. Select "HOME" with the joystick and press the Set key.

3. With the joystick, select "1POS," "2POS," "254POS," "255POS," "AUTO PAN," "SEQUENCE," "TRACE1," "TRACE2," or "TOUR1 – 16," then press the Set key. The program to which the camera will automatically return is then set.

Note: Items that have not been set cannot be selected.

```
          * P R E S E T *
  M E M O R Y
  R E A D J U S T  A L L  P O S      * * * P O S
  M E M O R Y  R E S E T
  M E M O R Y  A L L  R E S E T           N O
  A U T O  R E T U R N                  O F F
➜ H O M E                              1 P O S
  P R E S E T  F R E E Z E             O F F
```

Preset setting screen

4.7. Preset Memory Freeze Setting (C-CC564, C-CC574, C-CC764 and C-CC774 only)

Freezing the screen immediately before replaying preset memory blanks out the view of the camera's movement between camera positions. It is recommended that the preset memory freeze function also be used together when using the privacy masking function (p. 77).

1. Select "PRESET" on the camera menu screen and press the Set key.
   The Preset Settings screen is displayed.

2. Select "PRESET FREEZE" with the joystick and press the Set key.

3 With the joystick, select "ON," then press the Set key.
   The Preset Memory Freeze is then set.

```
          * P R E S E T *
  M E M O R Y
  R E A D J U S T  A L L  P O S      * * * P O S
  M E M O R Y  R E S E T
  M E M O R Y  A L L  R E S E T           N O
  A U T O  R E T U R N                  O F F
  H O M E                              1 P O S
➜ P R E S E T  F R E E Z E            O F F
```
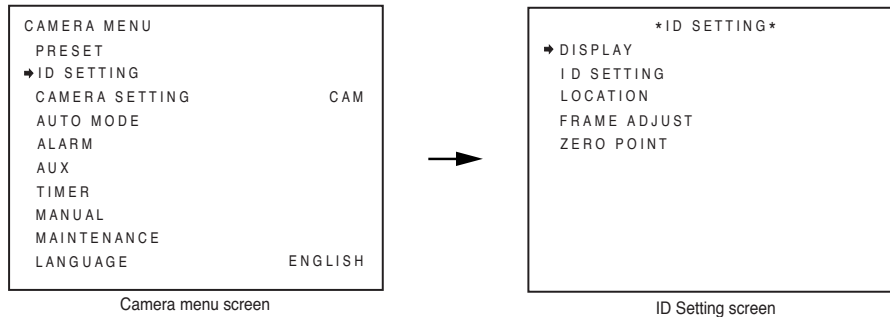
Preset setting screen

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5. ID (TITLE) SETTINGS

Up to 8 alphanumeric characters can be used. The display position and its length can be freely adjusted.

[Entering the ID Setting Screen from the Camera Menu Screen]

First enter the ID setting screen from the camera menu screen to set titles.

1. Select "ID SETTING" on the camera menu screen with the joystick and press the Set key.
   The ID Settings screen is displayed.

```
CAMERA MENU
 PRESET
➡ID SETTING
 CAMERA SETTING        CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE            ENGLISH
```
Camera menu screen

→

```
           *ID SETTING*
➡ DISPLAY
  ID SETTING
  LOCATION
  FRAME ADJUST
  ZERO POINT
```
ID Setting screen

2. Select the setting item with the joystick and perform each item setting.

5.1. Setting Display Content

Contents or time to be displayed can be set by selecting "DISPLAY" on the ID setting screen.

1. Select "ALL" on the ID display screen with the joystick and press the Set key.

2. With the joystick, select "OFF," "ON," "INDIVIDUAL," "1s," "3s," "5s," or "10s," then press the Set key. The selected item is then set.

   OFF: Nothing is displayed.
   ON: Every ID are all displayed.
   1s, 3s, 5s, 10s: ID is displayed for a set length of time.
   INDIVIDUAL: Performs display settings for each ID.

```
         *DISPLAY*
➡ ALL              INDIVIDUAL
  ADDRESS               OFF
  CAMERA ID             OFF
  POSITION ID           OFF
  TRACE ID              OFF
  AUTO PAN ID           OFF
  TOUR ID               OFF
  HOME ID               OFF

  NEXT PAGE
```
ID Display screen

When set to "OFF" (factory default).

When "Camera," "Position," and "Home" are turned ON.

```
CAMERAID
POSITION




HOMEID2*            HOMEID3*




        HOMEID1*
```

When "All Display" is set to ON.

```
ADDR***              TOURID**
CAMERAID             MM/DD/YY
POSITION             **:**AM


HOMEID2*            HOMEID3*



ZOO      SECTORID  ALARMID*
***/***  HOMEID1*  AUXID***
```
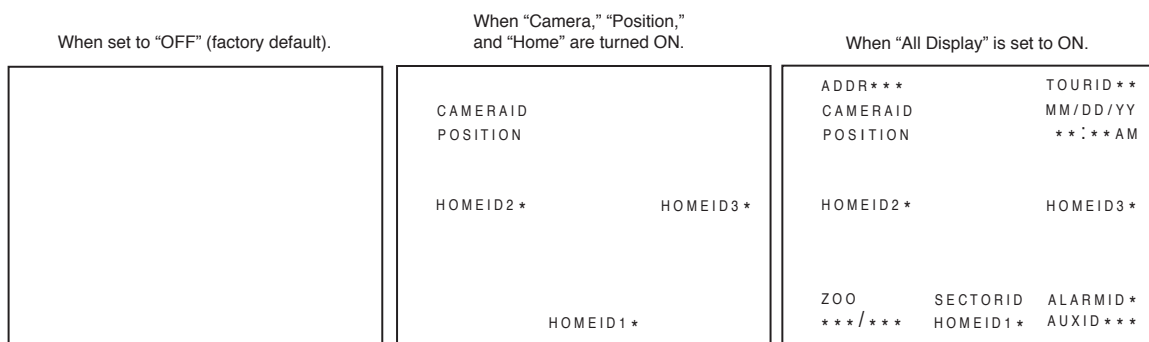
★ Example shows display position and its length are factory preset value.

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5.1.1. Setting display items

Display setting "ON" or "OFF" for each ID can be set by selecting "INDIVIDUAL" on the ID display screen.

1. Select the desired ID on the ID display screen with the joystick and press the Set key.

2. Select "ON" or "OFF" with the joystick and press the Set key.
   (Setting contents can be displayed on the screen when setting item is set to "ON.")

Note: The ID setting items that can be displayed are as follows.

Setting Item	Setting Contents
Address	Displays the camera address and camera position No. Title length can be freely adjusted from 3 to 7 digits. (Camera address: DIP switch 1: for setting, factory-preset: 001) [∗∗∗ − ∗∗∗] Camera address – Position number
Camera	Displays the Camera Title. [1]
Position	Displays the Position title (1 – 255). [1]
Trace	Displays the Trace title (1 – 2). [1]
Auto-Pan	Displays the Auto-Pan title. [1]
Tour	Displays the Tour title (1 – 16). [1]
Home	Displays the Home Position title (1 – 3). Up to 3 titles can be set.[1]
Alarm	Displays the Alarm title (1 – 8). [1]
Sector	Displays the title for the sectors split in the panning direction. Setting North permits the direction to be automatically divided into 8 sectors. (north, north east, east, south east, south, south west, west, and north west) [1]
AUX	Displays the AUX contact output title (1 – 2).
Coordinate	Displays the coordinate. Pan (0 to 359)/ Tilt (5 to -185) fixed 8 characters. [∗∗∗ /− ∗∗∗] → Pan angle (0 to 359)/ Tilt (5 to 185)
Lens	Displays the Electronic Zoom. Fixed 3-charactors.
Date	Displays the date in accordance with the date setting (timer setting) format. Fixed 8-charactors.
Time	Displays the time in accordance with the time (hour, minute) setting (timer setting) format. (Format: fixed 5 or 7-charactors)

[1] Maximum character length can be set in the range of 1 to 8 characters. (factory default : 8 characters)

5.2. ID Settings

1. Select "ID SETTING" on the ID setting screen with the joystick and press the Set key.
   ID setting screen 2 is displayed.

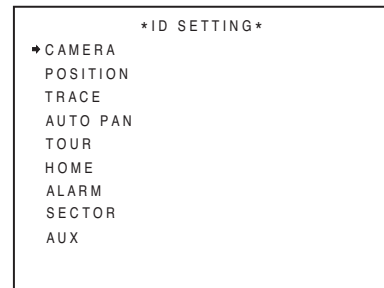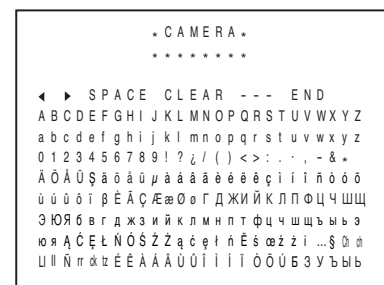2. Select the setting item with the joystick to set each ID.

```
         * I D   S E T T I N G *
  ➡ C A M E R A
    P O S I T I O N
    T R A C E
    A U T O   P A N
    T O U R
    H O M E
    A L A R M
    S E C T O R
    A U X
```

ID Setting screen 2

5.2.1. Camera ID setting

1. Select "CAMERA" on the ID setting screen 2 with the joystick and press the Set key.
   ID input screen is displayed.

2. Enter the title characters.
   (p. 25, Character entry basic operation)

```
         * C A M E R A *
         * * * * * * * *

  ◄  ►   SPACE  CLEAR  - - -   END
  A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
  a b c d e f g h i j k l m n o p q r s t u v w x y z
  0 1 2 3 4 5 6 7 8 9 ! ? ¿ / ( ) < > : . · , - & *
  Ã Ö Å Û Ş ä ö å ü µ à á â ã è é ê ê ç ì í î ñ ò ó õ
  ù ú û ô ï β È Ã Ç Æ æ Ø ø Г Д Ж И Й К Л П Ф Ц Ч Ш Щ
  Э Ю Я б в г д ж з и й к л м н п т ф ц ч щ ъ ь ы з
  ю я Ą Ć Ę Ł Ń Ó Ś Ź Ż ą ć ę ł ń Ё ś œ ż ż ì … § Ð ɗ
  Џ Ⅱ Ñ π ⅟ ź Ĺ Ê À Á Â Ù Ú Î Ì Í Ï Ò Ô Ú Б З У Ъ Ы Ь
```

5.2.2. Position ID setting

1. Select "POSITION" on the ID setting screen 2 with the joystick and press the Set key.

2. Enter the desired position number with the numerical keypad, and press Set key.
   The place of "✱✱✱" shows the input ID number.

   Note: Position between 1 and 255 can be set.

3. Press the Set key.
   ID setting screen is displayed.

4. Enter the title characters.
   (p. 25, Character entry basic operation)

```
            * I D   S E T T I N G *
  P O S I T I O N            ➡ * * * P O S
  - - - - - - - - - - - - - - - - - - - - - - - - -
    1 : * * * * * * * *      9 : * * * * * * * *
    2 : * * * * * * * *     10 : * * * * * * * *
    3 : * * * * * * * *     11 : * * * * * * * *
    4 : * * * * * * * *     12 : * * * * * * * *
    5 : * * * * * * * *     13 : * * * * * * * *
    6 : * * * * * * * *     14 : * * * * * * * *
    7 : * * * * * * * *     15 : * * * * * * * *
    8 : * * * * * * * *     16 : * * * * * * * *
```

Position ID setting screen

5.2.3. Trace ID setting

1. Select "TRACE" on the ID setting screen 2 with the joystick and press the Set key.

2. Select the number on the ID setting screen with the joystick and press the Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

```
         *ID SETTING*
   TRACE
 ➡ 1 : ********
   2 : ********
```
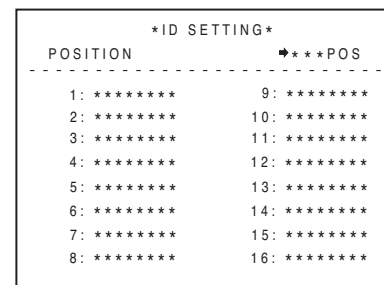
Trace ID setting screen

5.2.4. Auto Pan ID setting

1. Select "AUTO PAN" on the ID setting screen 2 with the joystick and press the Set key. ID setting screen is displayed.

2. Enter the title characters.
   (p. 25, Character entry basic operation)

```
        *AUTO PAN*
        * * * * * * * *
           ↑
 ◄  ►  SPACE CLEAR --- END
➡ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 0123456789!?¿/()<>:.·,-&
 ÃÕÁÛŞãõåũµàáâãèéêêçìíîñòóõ
 ùúûôïßÈÇÆæØøГДЖИЙКЛПФЦЧШЩ
 ЭЮЯбвгджзийклмнптфцчшщъыьэ
 юяĄĆĘŁŃÓŚŻŽąćęłńЁśœżżí …§Đđ
 ЏⅡÑ π œ tz ÉÊÀÁÄÙÚÎ Ì Í Ï ÒÔÕUБЗУЪЫЬ
```

5.2.5. Tour ID setting

1. Select "TOUR" on the ID setting screen 2 with the joystick and press the Set key.

2. Select the number on the Tour ID setting screen with the joystick, and press Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

```
         *ID SETTING*
   TOUR
 ➡ 1 : ********      9 : ********
   2 : ********     10 : ********
   3 : ********     11 : ********
   4 : ********     12 : ********
   5 : ********     13 : ********
   6 : ********     14 : ********
   7 : ********     15 : ********
   8 : ********     16 : ********
```

Tour ID setting screen

20

5.2.6. Home ID setting

1. Select "HOME" on the ID setting screen 2 with the joystick and press the Set key.

2. Select the number on the Home ID setting screen with the joystick, and press Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

```
                  * I D  S E T T I N G *
   H O M E
  ➡  1 : * * * * * * * *
     2 : * * * * * * * *
     3 : * * * * * * * *
```

Home ID setting screen

5.2.7. Alarm ID setting

1. Select "ALARM" on the ID setting screen 2 with the joystick and press the Set key.

2. Select the number on the Alarm ID setting screen with the joystick, and press Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

```
                  * I D  S E T T I N G *
   A L A R M
  ➡  1 : * * * * * * * *
     2 : * * * * * * * *
     3 : * * * * * * * *
     4 : * * * * * * * *
     5 : * * * * * * * *
     6 : * * * * * * * *
     7 : * * * * * * * *
     8 : * * * * * * * *
```

Alarm ID setting screen

5.2.8. Sector ID setting

1. Select "SECTOR" on the ID setting screen 2 with the joystick and press the Set key.

2. Select "SECTOR SETTING" or "ID SETTING" with the joystick, and press Set key.

   "SECTOR SETTING" → [Sector Range setting/ clearing]
   "ID SETTING" → [Sector title settings]

```
                  * S E C T O R *
  ➡ S E C T O R  S E T T I N G
    I D  S E T T I N G
```
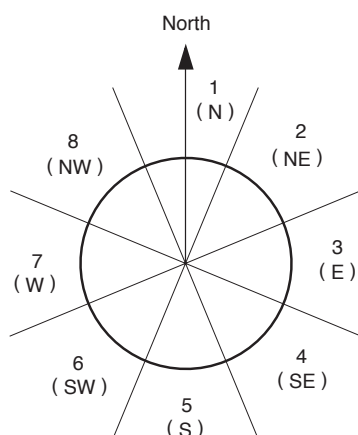
Sector ID setting screen

21

[Sector Range setting/ clearing]

1. Select "FIX," "EACH," or "CLEAR" on the sector ID setting screen with the joystick, and press Set key.

```
         *SECTOR*
 SECTOR SETTING      ➡    FIX
- - - - - - - - - - - - - - - - - - - - - - - - - -
   1 : NO SETUP
   2 : NO SETUP
   3 : NO SETUP
   4 : NO SETUP
   5 : NO SETUP
   6 : NO SETUP
   7 : NO SETUP
   8 : NO SETUP
```
Sector setting screen

1-1 When "FIX" is selected

Tilt the joystick left or right to move the camera direction to the "North" position, then press the Set key.
Eight directions are automatically set.

North

```
1
( N )
8                    2
( NW )               ( NE )

7                         3
( W )                     ( E )

6                    4
( SW )               ( SE )
    5
   ( S )
```

```
 NORTH
 SECTOR SETTING




          ▯
```
Fixed direction screen

1-2 When "EACH" is selected

(1) Press the Set key. The arrow (→) moves to a number.

(2) Select the sector to be set with the joystick and press the Set key.

(3) Tilt the joystick left or right to move the camera direction to the left position of the sector, then press the Set key. Similarly, with the joystick, move the camera direction to the right position of the sector, then press the Set key.

```
 LEFT
 SECTOR SETTING




          ▯
```
Individual orientation setting screen

1-3 When "CLEAR" is selected

(1) Press the Set key.
The arrow (→) moves to a number.

(2) Select the sector to be cleared with the joystick and press the Set key.

(3) The screen moves to the preset position, then "SECTOR CLEAR OK?" is displayed. Press the Set key.

```
 SECTOR CLEAR OK?



          ▯
```
Clear screen

22

[Sector title settings]

1. Select "ID SETTING" on the Sector ID setting screen with the joystick and press the Set key.
   When "Fixed direction" is selected, "N," "NE," "E," "SE," "S," "SW," "W," and "NW" titles are displayed automatically in the order of 1 – 8. These titles can be changed freely.

2. Select the ID number, and press Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

```
            *SECTOR*
   SECTOR
 ➡  1 : N
    2 : N E
    3 : E
    4 : S E
    5 : S
    6 : S W
    7 : W
    8 : N W
```
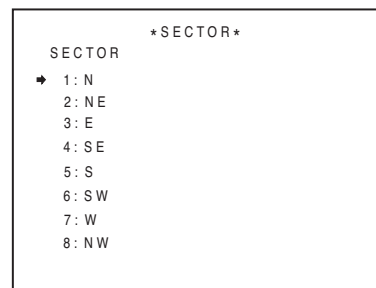
Sector ID setting screen

5.2.9. AUX ID setting

1. Select "AUX" on the ID setting screen 2 with the joystick and press the Set key.

2. Select the number on the AUX ID setting screen with the joystick and press the Set key.
   ID setting screen is displayed.

3. Enter the title characters.
   (p. 25, Character entry basic operation)

Note
AUX2 : C-CC564 and C-CC574 only

```
          *ID SETTING*
   AUX
 ➡  1 : * * * * * * * *
    2 : * * * * * * * *
```
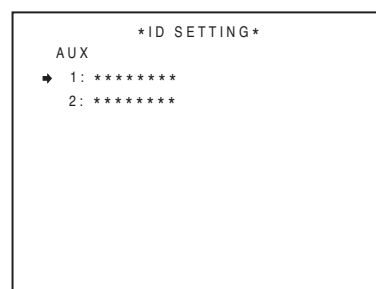
AUX ID setting screen

5.3. Entering Title Characters

5.3.1. Understanding the ID Entry screen

Title Display Area
The title is displayed here. A title may be up to 8 characters long.

Character Selection Area
This area is used to select the characters to be used in the title.
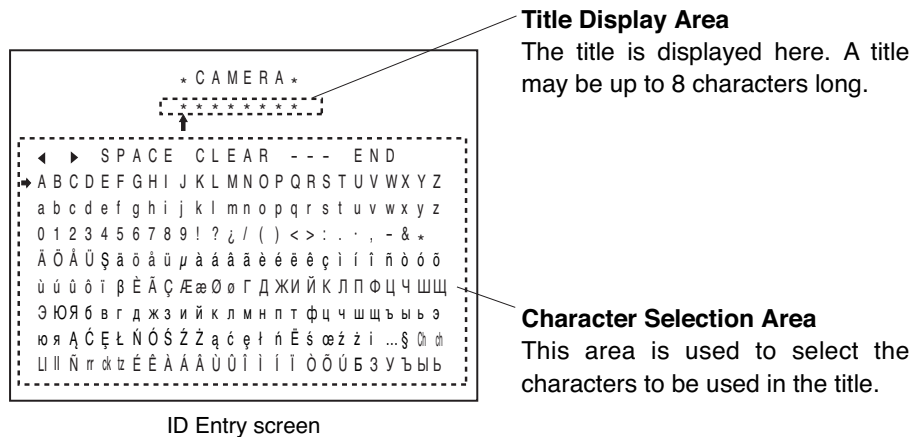
ID Entry screen

(Close-up View of the above display)

Moves the Title Display Area arrow one place to the left.

Moves the Title Display Area arrow one place to the right.

Completes title setting.

Select when entering code.

Clears all of the characters entered for a title.

Inserts a single space.
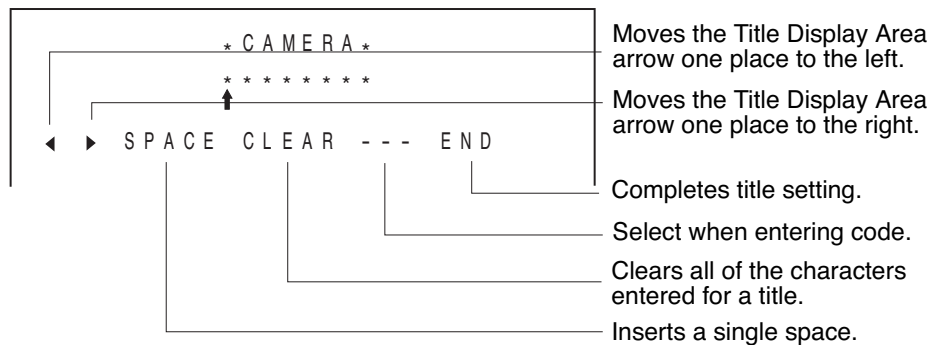
・ Within the ID Entry screen, arrows appear in both the Title Display Area and the Character Selection Area. The arrow within the Character Selection Area can be moved with the joystick.

・ Each time the arrow in the Title Display Area is moved one place to the right when the Set key is pressed after selecting a character in the Character Selection area.
If you wish to move only the arrow, select the "left" or "right" and press the Set key to move the arrow one place to the left or right.

24

5.3.2. Character entry basic operation

The arrow is positioned on the "RIGHT" in the Character Selection Area.

1. Move the arrow (→) to the desired character in the Character Selection Area, then press the Set key.
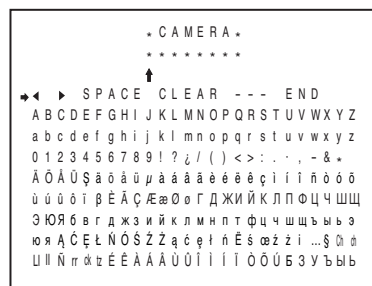   The selected character appears at the (↑) in the Title Display Area and the position pointed by the arrow (↑) in the Title Display Area moves one place to the right.

   Note
   If title characters have been entered already in the Title Display Area, that character is overwritten by the new character.

2. Repeat Step 1 until the whole title is entered.

3. After completion of title entry, move the arrow (→) in the Character Selection Area to "END", then press the Set key.
   The title is recorded in the memory.

```
          *CAMERA*
         * * * * * * * *
              ↑
→ ◄  ►  SPACE CLEAR --- END
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9 ! ? ¿ / ( ) < > : . ˙ , - & *
Ä Ö Å Ü Ş ã õ å ü µ à á â ã è é ê ê ç ì í î ñ ò ó ô
ù ú û ô ï β È Ã Ç Æ æ Ø ø Г Д Ж И Й К Л П Ф Ц Ч Ш Щ
Э Ю Я б в г д ж з и й к л м н п т ф ц ч ш щ ъ ы ь з
ю я Ą Ć Ę Ł Ń Ó Ś Ż Ž ą ć ę ł ń Ё ś œ ż ż i …§ ₵ ₫
Ц Џ Ñ π ά tz É Ê À Á Â Ù Û Î Ì Í Ï Ò Õ Ú Б З У Ъ Ы Ь
```
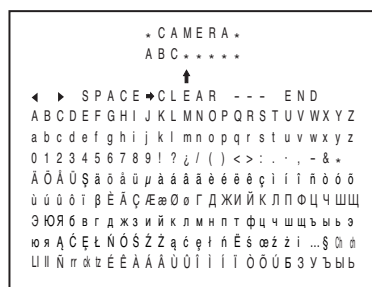ID entry screen

5.3.3. Erasing or correcting characters

[To erase all characters]

1. On the ID Entry screen, move the arrow (→) over the "CLEAR" with the joystick, then press the Set key.

   All of the characters in the Title Display Area are erased.

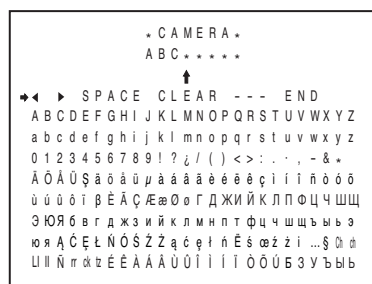2. Enter new characters according to the character entry basic operations.

```
          *CAMERA*
          A B C * * * * *
              ↑
   ◄  ►  SPACE → CLEAR --- END
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9 ! ? ¿ / ( ) < > : . ˙ , - & *
Ä Ö Å Ü Ş ã õ å ü µ à á â ã è é ê ê ç ì í î ñ ò ó ô
ù ú û ô ï β È Ã Ç Æ æ Ø ø Г Д Ж И Й К Л П Ф Ц Ч Ш Щ
Э Ю Я б в г д ж з и й к л м н п т ф ц ч ш щ ъ ы ь з
ю я Ą Ć Ę Ł Ń Ó Ś Ż Ž ą ć ę ł ń Ё ś œ ż ż i …§ ₵ ₫
Ц Џ Ñ π ά tz É Ê À Á Â Ù Û Î Ì Í Ï Ò Õ Ú Б З У Ъ Ы Ь
```
ID entry screen (Erasure)

[To correct only selected characters]

1. On the ID Entry screen, move the arrow (→) to "Left" or "Right", then press the Set key.
   The arrow (↑) in the Title Display Area moves one place to the selected direction.

2. Repeat Step 1 to move the arrow (↑) in the Title Display Area until it is positioned over the desired character.

3. Enter new characters according to the character entry basic operations.

```
          *CAMERA*
          A B C * * * * *
              ↑
→ ◄  ►  SPACE CLEAR --- END
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
a b c d e f g h i j k l m n o p q r s t u v w x y z
0 1 2 3 4 5 6 7 8 9 ! ? ¿ / ( ) < > : . ˙ , - & *
Ä Ö Å Ü Ş ã õ å ü µ à á â ã è é ê ê ç ì í î ñ ò ó ô
ù ú û ô ï β È Ã Ç Æ æ Ø ø Г Д Ж И Й К Л П Ф Ц Ч Ш Щ
Э Ю Я б в г д ж з и й к л м н п т ф ц ч ш щ ъ ы ь з
ю я Ą Ć Ę Ł Ń Ó Ś Ż Ž ą ć ę ł ń Ё ś œ ż ż i …§ ₵ ₫
Ц Џ Ñ π ά tz É Ê À Á Â Ù Û Î Ì Í Ï Ò Õ Ú Б З У Ъ Ы Ь
```
ID entry screen (Correction)

25

5.3.4. Entering title using code

1. On the ID code entry screen, move the arrow ⁽→⁾ to "−−−" ,
   then press the Set key.
   The "−−−" indication turns to "000" indication.
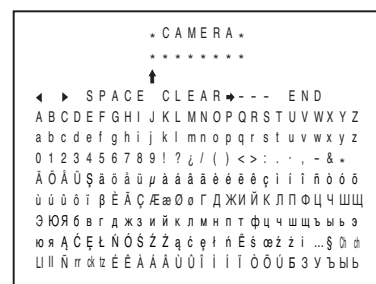
```
            * CAMERA *
          * * * * * * * *
                  ↑
  ◄  ►  SPACE CLEAR➡ −−−  END
ABCDEFGHI JKLMNOPQRSTUVWXYZ
abcdef ghijkl mnopqrstuvwxyz
0123456789! ?¿/ ( ) < > : . · , −&*
ÄÖÅÛŞäöåüµàáâãèéêêçìíîñòóô
ùúûôïβÈÃÇÆæØøГДЖИЙКЛПФЦЧШЩ
ЭЮЯбвгджзийклмнптфцчшщъыьэ
юяĄĆĘŁŃÓŚŻŽąćęłńĔśœżżi …§₥₼
ЏⅡⅡⅤπ⍺ŧ℞ÉÊÀÁÂÙÚÎÌ Í Ĭ ÒÔŮƂЗУЪЫЬ
```
ID code entry screen

2. Select the desired entry code number with the joystick and
   press the Set key.
   The figure can be set in 1-digit settings. The arrow ⁽→⁾ moves
   one place to the right each time 1-digit is confirmed.

   Notes
   ・The figures cannot be entered with the Numerical keypad.
   ・The figure increases by one when the joystick is tilted to the
     right and decrease by one when tilted to the left.
   ・When entering the code, refer to p. 27 "ID Code Table."

```
  ◄  ►  SPACE CLEAR➡−−−  END
```

```
  ◄  ►  SPACE CLEAR0➡10  END
```

3. Repeat Step 2 to enter the 3-digit ID code, then press the Set
   key.
   The character corresponding to the entered code is displaced
   to the arrow ⁽↑⁾ position in the Title Display area.

   Note
   When the figure not listed on "ID Code Table" is entered, the
   indication in "−−−" is disappeared, while leaving the ID entry
   screen unchanged.

```
        * * * * * * * *
              ↑
  ◄  ►  SPACE CLEAR➡010  END
```

```
        A * * * * * * *
        ↑
  ◄  ►  SPACE CLEAR➡−−−  END
```

5.3.5. ID code table

000	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019
0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J

020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039
K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Ä	Ö	Å	Ü

040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059
Ş	/	ä	ö	å	ü	µ	à	á	â	ã	è	é	ë	ê	ç	ì	í	î	ñ

060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079
ò	ó	õ	ù	ú	û	ô	ï	ß	È	Ã	Ç	Æ	æ	Ø	ø	🔇	⚷	♪	!

080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099
?	¿	↕	■	⌂	▽	▷	◁	▶	◀	△	▽	【	】	(	)	〈	〉	[	]

100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
X	✳	✳	÷	+	−	=	‖	●	~	↑	↓	→	←	'	"	,	.	°	•

120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	150	151
··	···	;	:	¥	$	¢	£	%	#	&	SP	LP	EP	CH	TV	BS	CS	①	②

152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171
③	④	⑤	⑥	⑦	⑧	⑨	⑩	ア	イ	ウ	エ	オ	カ	キ	ク	ケ	コ	サ	シ

172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191
ス	セ	ソ	タ	チ	ツ	テ	ト	ナ	ニ	ヌ	ネ	ノ	ハ	ヒ	フ	ヘ	ホ	マ	ミ

192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211
ム	メ	モ	ヤ	ユ	ヨ	ラ	リ	ル	レ	ロ	ワ	ヲ	ン	ガ	ギ	グ	ゲ	ゴ	ザ

212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231
ジ	ズ	ゼ	ゾ	ダ	ヂ	ヅ	デ	ド	バ	ビ	ブ	ベ	ボ	パ	ピ	プ	ペ	ポ	ァ

232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251
イ	ェ	ッ	ャ	ュ	ョ	┌┐	─	│	└┘	┼	┴	┬	┤	├	ゥ	ォ			

252	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284
■	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s

285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304
t	u	v	w	x	y	z	Г	Д	Ж	И	Й	К	Л	П	Ф	Ц	Ч	Ш	Щ

305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324
Э	Ю	Я	б	в	г	д	ж	з	и	й	к	л	м	н	п	т	ф	ц	ч

325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344
ш	щ	ъ	ы	ь	э	ю	я	Ą	Ć	Ę	Ł	Ń	Ó	Ś	Ź	Ż	ą	ć	ę

345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364
ł	ń	Ë	ś	œ	ź	ż	ı	…	§	Ch	ch	Ll	ll	Ñ	rr	ck	tz	É	Ê

365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	389	390
À	Á	Â	Ù	Û	Î	Ì	Í	Ï	Ò	Õ	Ú	Б	З	У	Ъ	Ы	Ь	ТС	)A

391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410
▰	▰	▮			II	III	V	X	🐤	☀	☁	☔	A.I	m.	P.I	❶	❷	❸	❹	❺

411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430
❻	❼	❽	❾	❿	あ	い	う	え	お	か	き	く	け	こ	さ	し	す	せ	そ

431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450
た	ち	つ	て	と	な	に	ぬ	ね	の	は	ひ	ふ	へ	ほ	ま	み	む	め	も

451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470
や	ゆ	よ	ら	り	る	れ	ろ	わ	を	ん	が	ぎ	ぐ	げ	ご	ざ	じ	ず	ぜ

471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	490	491	492	493
ぞ	だ	ぢ	づ	で	ど	ば	び	ぶ	べ	ぼ	ぱ	ぴ	ぷ	ぺ	ぽ	っ	ゃ	ゅ	ょ

5.4. ID Display Position Settings

5.4.1. Setting the common title display position and its length

Set the title display position and its length common to all camera positions. It is also possible to set the title display position and its length (pattern settings) individually for each camera position. When setting the display position, each "Display" ID on the ID setting screen must be set to ON.

1. With the joystick, select "LOCATION SETTING" on the ID setting screen and press the Set key.

2. Select each setting item with the joystick and perform its settings.

```
*LOCATION SETTING*
➡ ADDRESS
  CAMERA
  POSITION
  TOUR
  HOME
  ALARM
  SECTOR


  NEXT PAGE
```
ID display position setting screen

[Setting the ID display positions for the address, coordinate, zoom, date, and time]

1. With the joystick, select each ID selection screen for ID display position settings and press the Set key.
The arrow（↑）is displayed at the selected ID on the ID display position setting screen.

2. Use the joystick to select each setting item and perform its settings.

Note
When the selected title coincides with another title, the selected title takes precedence, causing the other title to be moved so as not to coincide with the selected title.

Example when "Address ∗ ∗ ∗ is selected"
```
ADDR∗∗∗              TOURID∗∗
↑AMERAID             MM/DD/YY
POSITION             ∗∗:∗∗AM


HOMEID2∗             HOMEID3∗



ZOO        SECTORID  ALARMID∗
∗∗∗/∗∗∗     HOMEID1∗  AUXID∗∗∗
```
Position setting screen

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[Setting the ID display positions and lengths for the camera, position, tour, alarm, sector and AUX]

1. With the joystick, select each ID selection screen for ID display position settings and press the Set key.

2. With the joystick, select "LOCATION SETTING" or " LENGTH SETTING" and press the Set key.

2-1 When "LOCATION SETTING" is selected
The arrow （↑） is displayed at the selected ID on the ID display position setting screen.

(1) Use the joystick to select each setting item and perform its settings.The position is confirmed at the selected position.

2-2 When "LENGTH SETTING" is selected

(1) Adjust the title length with the joystick, then press the Set key.
The arrow （↑） is displayed over the last character of the selected title.

Example: When setting Camera ID position

```
          * C A M E R A *

 ➔ L O C A T I O N   S E T T I N G
   L E N G T H   S E T T I N G
```

ID display position and its length setting screen

Example:
When setting the camera ID length to 4 characters

```
 A D D R * * *              T O U R I D * *
 C A M E                    M M / D D / Y Y
 P O S ⬆ T I O N               * * : * * A M


 H O M E I D 2 *            H O M E I D 3 *



 Z O O          S E C T O R I D   A L A R M I D *
 * * * / * * *  H O M E I D 1 *   A U X I D * * *
```

ID length setting screen

[Setting the Home title display position and the length]

1. With the joystick, select Home ID selection screen for ID display position settings and press the Set key.

2. With the joystick, select "LOCATION SETTING" or "LENGTH SETTING" and press the Set key.

2-1 When "LOCATION SETTING" is selected

(1) With the joystick, select "HOME" number and press the Set key.
The arrow （↑） is displayed at the selected ID on the ID display position setting screen.

(2) Use the joystick to select each setting item and perform its settings. The position is confirmed at the selected position.

2-2 When "LENGTH SETTING" is selected

(1) With the joystick, select "HOME" number and press the Set key.

(2) With the joystick, adjust the title length, then press the Set key.
The arrow （↑） is displayed at the last character of the selected title.

```
          * H O M E *

 ➔ L O C A T I O N   S E T T I N G      H O M E 1
   L E N G T H   S E T T I N G          H O M E 1
```

ID display position setting screen

Example shows "Home ID 1 * * * ."

```
 A D D R * * *              T O U R I D * *
 C A M E R A I D            M M / D D / Y Y
 P O S I T I O N               * * : * * A M


 H O M E I D 2 *            H O M E I D 3 *



 Z O O          S E C T O R I D   A L A R M I D *
 * * * / * * *  H O M E I D 1 *   A U X I D * * *
                      ⬆
```

Home ID setting screen

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5.4.2. Initializing the common title display position

All set display positions and lengths can be reset to initial factory-preset conditions.

1. With the joystick, select "PATTERN CLEAR" on the ID setting screen and press the Set key.
   The arrow (→) moves to the "NO" position.

```
*LOCATION SETTING*
AUX
ANGLE DISP
ZOOM DISP
DATE DISP
TIME DISP

➡ PATTERN CLEAR


  FRONT PAGE
```

2. With the joystick, select "YES," then press the Set key.
   The title setting position and its length revert to factory-preset conditions.

```
PATTERN CLEAR          ➡ YES
```
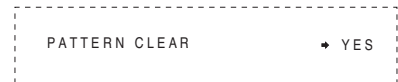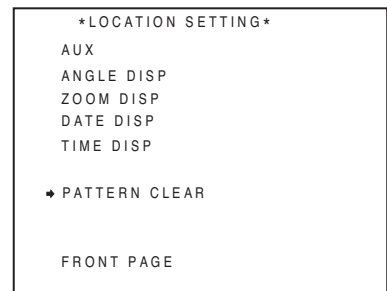
5.5. Frame Adjustment Setting

Adjust the character display position.

1. With the joystick, select "FRAME ADJUST" on the ID setting screen and press the Set key.

2. With the joystick, move the character display position with the indicated markers as a guide, then press the Set key.
   Titles and menu character display positions are adjusted simultaneously.
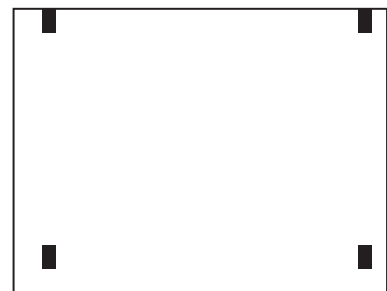
Frame adjustment setting screen

5.6. Angle Origin Point (Zero point) Change

Change the origin point of the angle (Zero point) display.

1. With the joystick, select "ZERO POINT SETTING" on the ID setting screen, and press the Set key.

2. Use the joystick to With the joystick (after tilting upward and downward, tilt left and right when the controller other than the C-RM500 is connected), move to the position to be set as the origin point (0°/ 0°), then press the Set key.

   Note
   Once the setting has been made, it cannot be cleared unless it is reset to factory settings.

```
ZERO POINT SETTING

         ⬚

    * * * / - * * *
```

Angle origin point setting screen

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6. CAMERA CHARACTERISTIC SETTINGS

Camera characteristics can be individually set for each camera.
There are 14 types of setting functions and setting initializations: white balance, backlight compensation, brightness, day & night *[1], auto-focus, AGC, slow shutter, shutter speed, electronic zoom, enhancer, color depth, synchronization, EIS *[2] and sensitivity *[2].
Settings can be changed for individual positions except synchronization, auto-focus, electronic zoom, EIS and sensitivity settings (p. 80)

*[1] C-CC564, C-CC574, C-CC764 and C-CC774 only
*[2] C-CC574 and C-CC774 only

[Entering the Camera Setting Screen from the Camera Menu Screen]

The camera setting screen to be displayed differs slightly depending on the equipment connected, however there is no difference in basic operation.

1. With the joystick, select "CAMERA SETTING" on the Camera Menu screen, and press the Set key.
   The arrow (→) moves over "CAM."

2. Press the Set key during the arrow is indicated over "CAM" to display the camera setting screen.
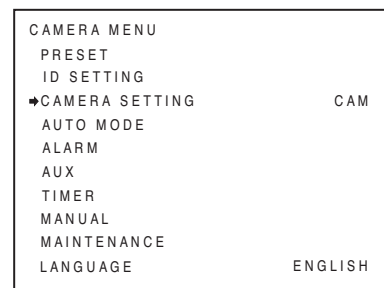
```
CAMERA MENU
  PRESET
  ID SETTING
→CAMERA SETTING          CAM
  AUTO MODE
  ALARM
  AUX
  TIMER
  MANUAL
  MAINTENANCE
  LANGUAGE              ENGLISH
```
Camera menu screen

3. With the joystick, select the setting item, then perform each item settings.

```
    *CAMERA SETTING*
→ WHITE BALANCE          ATW
                   R - - - * - - - B
  BACKLIGHT             OFF
  BRIGHTNESS      - - - - * - - - -
  DAY/NIGHT           NORMAL
  AUTO FOCUS        ONE PUSH
  AGC                  AUTO
  SLOW SHUTTER          X32
  SHUTTER SPEED      NORMAL
  NEXT PAGE
```
White Balance setting screen

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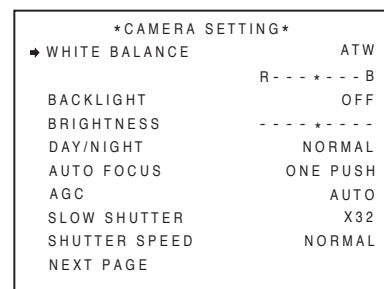
6.1. Setting the White Balance

The white balance may be set to either AWB or ATW. (factory default: ATW)

ATW: The camera adjusts its white balance setting according to fluctuations in the color temperature of the subject's illumination.
AWB: The camera uses a fixed white balance setting regardless of fluctuations in the color temperature of the subject's illumination.

Note
The ATW will not work when the High-Sensitivity Slow Shutter function is active.
It is also possible to change these settings for arbitrarily positions. (p. 80)

1. With the joystick, select the "WHITE BALANCE" on the camera setting screen, then press the Set key.
   The arrow (→) moves to "ATW" (factory default).

```
        *CAMERA SETTING*
➜ WHITE BALANCE          ATW
                    R - - - * - - - B
  BACKLIGHT              OFF
  BRIGHTNESS       - - - - * - - - -
  DAY/NIGHT            NORMAL
  AUTO FOCUS         ONE PUSH
  AGC                   AUTO
  SLOW SHUTTER           X32
  SHUTTER SPEED       NORMAL
  NEXT PAGE
```

White Balance setting screen

2. Select "AWB" or "ATW" with the joystick, then press the Set key.
   The arrow (→) moves over the setting bar.

3. Move "*" at the appropriate position with the joystick, then press the Set key.
   The White Balance setting is recorded.

```
  WHITE BALANCE          ATW
              ➜ R - - - * - - - B
```

6.2. Setting the Backlight Compensation

The Backlight Compensation function makes the image displayed on the screen easier to see when there is strong light behind the subject.
Backlight Compensation may be set to "OFF," "WIDE DYNAMIC *[1]," "WIDE DYNAMIC2 *[2]," "PATTERN1," "PATTERN2," or "PATTERN3." (factory default: OFF)

*[1] C-CC564, C-CC574, C-CC764 andC-CC774 only.
*[2] C-CC574 andC-CC774 only.

OFF:
Turns the Backlight Compensation function off. This is the setting usually used.

WIDE DYNAMIC:
Allows backlight compensation that prevents the subject from becoming too dark or the surrounding background from becoming too white. When with the C-CC564, C-CC574, C-CC764 andC-CC774, try using WIDE DYNAMIC as the initial setting to compensate for backlighting.

WIDE DYNAMIC2:
Allows objects in a dark location with a bright background to be distinguished, which cannot be achieved by Wide Dynamic. However, the bright background may look darker.

PATTERN1, PATTERN2 or PATTERN3:
Turns the Backlight Compensation function on. This automatically adjusts the overall brightness so that brightness is optimized for easier viewing in the screen areas indicated in shaded region. Select 1, 2, or 3 depending on which makes the intended subject the easiest to see.

PATTERN 1   PATTERN 2   PATTERN 3
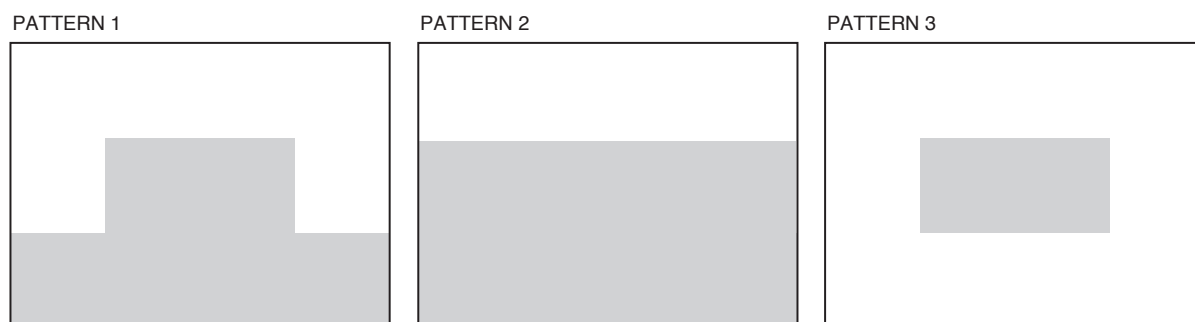
Notes
· Backlight compensation will not function whenever the Auto-Flip function (p. 68) is engaged (when the actual image-flipping is taking place).
· It is possible to make settings different from these for arbitrarily positions. (p. 80)

1. With the joystick, select "BACKLIGHT" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves over "OFF" (factory default).

2. Select the desired item with the joystick, then press the Set key.
   If "OFF," "WIDE DYNAMIC2," "PATTERN1," "PATTERN2," or "PATTERN3" is selected, the Backlight Compensation setting is recorded and the arrow (→) moves to "BACKLIGHT."
   If "WIDE DYNAMIC" is selected, the arrow (→) moves to "Wide Dynamic compensation Level Adjustment" screen. Proceed to Step 3 to adjust the compensation level.

3. Move "∗" at the appropriate position with the joystick, then press the Set key.
   The Backlight Compensation setting is recorded and the arrow (→) moves to "BACKLIGHT."

```
         *CAMERA SETTING*
  WHITE BALANCE            ATW
                     R - - - * - - - B
➡ BACKLIGHT              OFF
  BRIGHTNESS         - - - - * - - - -
  DAY/NIGHT              NORMAL
  AUTO FOCUS            ONE PUSH
  AGC                     AUTO
  SLOW SHUTTER            X32
  SHUTTER SPEED         NORMAL
  NEXT PAGE
```
Backlight compensation setting screen

```
  ➡ LEVEL
              - - - - - * - - - - -
           L               H
```
Wide dynamic compensation level adjustment screen

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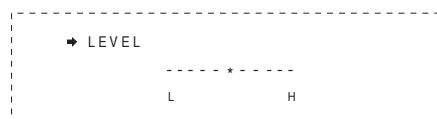
6.3. Adjusting the Brightness

The brightness of the camera image can be adjusted to suit user preferences.

Note
It is possible to make settings different from these for arbitrarily positions. (p. 80)

1. With the joystick, select the "BRIGHTNESS" on the Camera
   Setting screen, then press the Set key.
   The arrow (→) moves over the setting bar.

2. Move "*" at the appropriate position with the joystick, then
   press the Set key.
   The Brightness setting is recorded.

   Note
   Moving "*" further to the right increases the brightness of the
   camera image.

```
        *CAMERA SETTING*
  WHITE BALANCE           ATW
                   R - - - * - - - B
  BACKLIGHT              OFF
➡ BRIGHTNESS        - - - - * - - - -
  DAY/NIGHT            NORMAL
  AUTO FOCUS         ONE PUSH
  AGC                   AUTO
  SLOW SHUTTER           X32
  SHUTTER SPEED       NORMAL
  NEXT PAGE
```
Brightness setting screen

```
  BRIGHTNESS       ➡ - - - - + * - - -
```

6.4. Setting the Day and Night (C-CC564, C-CC574, C-CC764 and C-CC774 only)

This function gives operation priority to black & white mode or slow shutter mode depending on the subject brightness. Choose from "COLOR," "MOTION," "NORMAL," "ON," and "OFF." (factory default: NORMAL)

COLOR: Slow shutter mode takes operating precedence. When a moving subject is photographed, the picture is like the one shot during camera movement, but can be viewed in color.

MOTION: Black & white mode takes operating precedence. Even if a moving subject is photographed, clear pictures can be provided.

NORMAL: Balanced black & white mode and slow shutter operation.

ON: Turns on black & white mode, and always provides black and white pictures.

OFF: Turns off black & white mode and always provides color pictures.

Note
If NORMAL, COLOR, or MOTION is selected, it may take a relatively long time before the black & white mode switches over to color mode when shooting such subjects as a sunrise that slowly becomes bright.

1. With the joystick, select the "DAY/ NIGHT" on the Camera
   Setting screen, then press the Set key.
   The arrow (→) moves over "OFF" (factory default).

2. Select "COLOR," "MOTION," "NORMAL," "ON," or "OFF" with
   the joystick, then press the Set key.
   The selected contents are recorded.

```
        *CAMERA SETTING*
  WHITE BALANCE           ATW
                   R - - - * - - - B
  BACKLIGHT              OFF
  BRIGHTNESS       - - - - * - - - -
➡ DAY/NIGHT          NORMAL
  AUTO FOCUS         ONE PUSH
  AGC                   AUTO
  SLOW SHUTTER           X32
  SHUTTER SPEED       NORMAL
  NEXT PAGE
```
Day and night setting screen

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6.5. Setting the Auto Focus

There are 3 auto-focus modes: "ONE PUSH," "STOP AF," and "CONTINUOUS" modes.
(Factory default: ONE PUSH)

ONE PUSH: Auto focusing is operated when the Auto-focus key is pressed.

STOP AF: Auto focusing is automatically operated after the camera scene or angle of view has been changed. The STOP AF function does not work when the Focus key is used. Pressing the Auto-focus key again will put the camera in the STOP AF mode.

CONTINUOUS: The Auto-focus function is always operated. However, it cannot be used after preset playback (including Home Position). In this event, the Auto-focus function can be used through manual operations. Also, the Auto-focus function cannot be used if the Auto-focus key is pressed, and can be used if the Auto-focus key is pressed again.

Notes

· Use "ONE PUSH" mode in normal operations. The use of "STOP AF" or "CONTINUOUS" mode may shorten the life of lens.

· In the following cases, the subject may not be brought into focus using the Auto-focus function.
  · When part of the subject shines brightly.
  · When the distant and near subjects exist together.
  · When the camera shoots a blind or other subject with horizontal stripes.
  · When the subject's lighting conditions are poor.
  · When the camera rotates at high speed.

1. With the joystick, select "AUTO FOCUS" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves over "ONE PUSH" (factory default).

2. Select "ONE PUSH," "STOP AF," or "CONTINUOUS" with the joystick, then press the Set key.
   The selected content is recorded.

```
        *CAMERA SETTING*
    WHITE BALANCE           ATW
                        R - - - * - - - B
    BACKLIGHT               OFF
    BRIGHTNESS          - - - - * - - - -
    DAY/NIGHT             NORMAL
  ➡ AUTO FOCUS          ONE PUSH
    AGC                    AUTO
    SLOW SHUTTER            X32
    SHUTTER SPEED        NORMAL
    NEXT PAGE
```
Auto focus setting screen

6.6. Setting the AGC

The automatic gain controller (AGC) can be set to "AUTO," "OFF," or "MAX." (Factory default: Auto)

AUTO: Automatically adjusts the gain depending on the subject's brightness level.
OFF: Disables the automatic gain control function.
MAX: Used when the subject brightness is insufficient when in AUTO mode.

Note
Operation in "MAX" mode may cause excessive vertical noise, however this is not a failure. If it becomes annoying, select "AUTO" mode.

1. With the joystick, select "AGC" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves to "AUTO" (factory default).

2. Select "AUTO," "OFF," or "MAX" with the joystick, then press the Set key.
   The AGC setting is recorded.

```
        *CAMERA SETTING*
    WHITE BALANCE           ATW
                        R - - - * - - - B
    BACKLIGHT               OFF
    BRIGHTNESS          - - - - * - - - -
    DAY/NIGHT             NORMAL
    AUTO FOCUS          ONE PUSH
  ➡ AGC                    AUTO
    SLOW SHUTTER            X32
    SHUTTER SPEED        NORMAL
    NEXT PAGE
```
AGC setting screen

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6.7. Setting the Slow Shutter (High Sensitivity)

The camera is automatically placed in slow shutter mode depending on subject brightness. The slow shutter limit can be set by selecting "OFF," "X2," "X4," "X8," "X16," or "X32." (Factory default: X32)
The Slow Shutter function cannot be used when set to OFF.

Note
If C-CC564, C-CC574, C-CC764 or C-CC774 is connected, slow shutter will not function whenever the Auto-Flip function (p. 68) is engaged (when the actual image-flipping is taking place).

1. With the joystick, select "SLOW SHUTTER" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves to "X32" (factory default).

2. Select "OFF," "X2," "X4," "X8," "X16," or "X32" with the joystick, then press the Set key.
   The selected content is recorded.

```
      *CAMERA SETTING*
   WHITE BALANCE          ATW
                     R - - - * - - - B
   BACKLIGHT              OFF
   BRIGHTNESS       - - - - * - - - -
   DAY/NIGHT              NORMAL
   AUTO FOCUS            ONE PUSH
   AGC                   AUTO
 ➡ SLOW SHUTTER           X32
   SHUTTER SPEED         NORMAL
   NEXT PAGE
```
Slow shutter setting screen

6.8. Setting the Shutter Speed

Fixed shutter speed can be selected from "NORMAL," "1/100," "1/120 (PAL:1/150)," "1/250," "1/500," "1/1000," "1/2000," "1/4000," or "1/10000."
 (Factory default: NORMAL)

Notes
· If speed other than NORMAL is selected, the Wide Dynamic function (p. 33), the Day & Night function (p. 34), and the Slow Shutter function (p. 36) cannot be used.
· Avoid selecting shutter speed of 1/100 for the purposes of reducing flicker as the unit is performing automatic flicker control*[1].
  *[1] Operates to reduce flickering of the image that may occur when a subject is shot by a camera under fluorescent lamps used in 50 Hz areas.
· Usually use NORMAL setting.
· It is possible to make settings different from these for arbitrarily positions. (p. 80)

1. With the joystick, select "SHUTTER SPEED" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves to "NORMAL" (factory default).

2. Select "NORMAL," "1/100," "1/120 (PAL:1/150)," "1/250," "1/500," "1/1000," "1/2000," "1/4000," or "1/10000" with the joystick, then press the Set key.
   The selected content is recorded.

```
      *CAMERA SETTING*
   WHITE BALANCE          ATW
                     R - - - * - - - B
   BACKLIGHT              OFF
   BRIGHTNESS       - - - - * - - - -
   DAY/NIGHT              NORMAL
   AUTO FOCUS            ONE PUSH
   AGC                   AUTO
   SLOW SHUTTER           X32
 ➡ SHUTTER SPEED         NORMAL
   NEXT PAGE
```
Shutter speed setting screen

6.9. Setting the Electronic Zoom

Electronic Zoom*1 is used to enlarge the view of the subject more than is possible with normal optical zoom*2
. A maximum enlargement can be set for the Electronic Zoom. It is also possible to set the zoom to stop for a
moment before switching from optical to electronic zoom. (factory default: X12)

OFF:
Turns the Electronic Zoom function off.

X2, X4, X8, X12:
Engages the Electronic Zoom function. The numbers indicate the maximum electronic zoom enlargement.
When the Zoom key (telephoto) is pressed and held, zooming stops for a moment before switching to
electronic zoom. Pressing the Zoom key (telephoto) again continues the image enlargement via Electronic
Zoom.

X2 CONT, X4 CONT, X8 CONT, X12 CONT:
Engages the Electronic Zoom function. The numbers indicate the maximum electronic zoom enlargement.
When the Zoom key (telephoto) is pressed and held, zooming switches from optical to electronic zoom without
stopping so that the zooming proceeds continuously until it reaches the maximum enlargement.

*1 The zoom function through an optical lens.
*2 Electronically enlarges or reduces the image by processing stored image signals through an image pick-up sensor. The more the magnification of electronic zoom multiplies, the rougher screen images are caused.

1. With the joystick, select "E-ZOOM" on the Camera Setting
   screen, then press the Set key.
   The arrow $(\rightarrow)$ moves to "X12" (factory default).

2. Select "OFF," "X2," "X4," "X8," "X12," "X2CONT," "X4CONT,"
   "X8CONT," or "X12CONT" with the joystick, then press the Set
   key.
   The electronic zoom function is recorded.
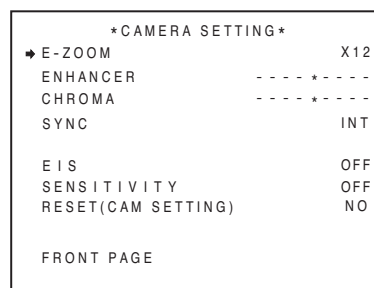
```
        *CAMERA SETTING*
➡ E-ZOOM                     X12
  ENHANCER            - - - - * - - - -
  CHROMA              - - - - * - - - -
  SYNC                         INT

  EIS                          OFF
  SENSITIVITY                  OFF
  RESET(CAM SETTING)           NO

  FRONT PAGE
```
Electronic zoom function setting screen

6.10. Setting the Enhancer Function

The Enhancer function enhances the contours within the camera image. It may be adjusted to suit user
preferences.

1. With the joystick, select "ENHANCER" on the Camera Setting
   screen, then press the Set key.
   The arrow $(\rightarrow)$ moves over "*" on the setting bar.
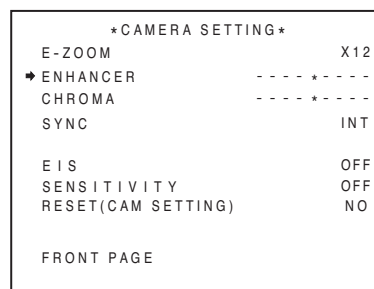
```
        *CAMERA SETTING*
  E-ZOOM                       X12
➡ ENHANCER            - - - - * - - - -
  CHROMA              - - - - * - - - -
  SYNC                         INT

  EIS                          OFF
  SENSITIVITY                  OFF
  RESET(CAM SETTING)           NO

  FRONT PAGE
```
Enhancer setting screen

2. Move "*" at the appropriate position with the joystick, then
   press the Set key.
   The Enhancer setting is recorded.

```
  ENHANCER           ➡   - - - - + - * - -
```

   Note
   Moving "*" further to the right on the setting bar increases the
   contour enhancement.

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6.11. Setting the Chroma

The chroma may be adjusted to suit user preferences.

1. With the joystick, select "CHROMA" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves over "∗" on the setting bar.

2. Move "∗" at the appropriate position with the joystick, then press the Set key.
   The Chroma setting is recorded.

   Note
   Moving "∗" further to the right in the setting bar increases the contour density.
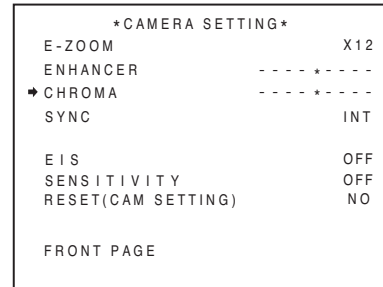
```
       *CAMERA SETTING*
  E-ZOOM                    X12
  ENHANCER           - - - - * - - - -
→ CHROMA             - - - - * - - - -
  SYNC                      INT

  EIS                       OFF
  SENSITIVITY               OFF
  RESET(CAM SETTING)        NO

  FRONT PAGE
```
Chroma setting screen

```
  CHROMA            → - * - - + - - - -
```

6.12. Changing the Synchronization System

The camera's sync system can be switched to the system that uses the power frequency. It is also possible to adjust the phase. (Factory default: INT.)

INT: Represents the internal sync system. Select this setting when only a single camera is used and it is not necessary to synchronize it with other camera.

LL: Represent the power sync system. Select this setting when synchronizing 2 or more cameras using the power frequency. Note that when the screen is switched by the sequential switcher, etc., the picture may be distorted depending on the camera installation conditions, such as the distance to the power source. In such cases, adjust the phase to prevent the picture distortion from occurring. The phase can be adjusted in 83 – step ranging from "00" to "82" for NTSC system and in 100 – step ranging from "00" to "99" for PAL system.

Notes
· NTSC Systems of LL cannot be used in the 50Hz area.
· PAL Systems of LL cannot be used in the 60Hz area.

1. With the joystick, select "SYNC" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves to "INT" (factory default).

2. Select "INT" or "LL" which you wish with the joystick, then press the Set key.
   Selecting "INT" will record the sync system setting, and the arrow (→) will move to "SYNC". When "LL" is selected, the arrow (→) moves over "∗" position on the phase adjustment bar. Proceed to Step 3. (factory default: 00)
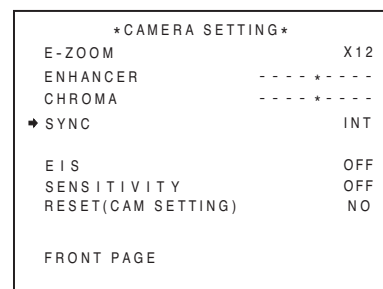
```
       *CAMERA SETTING*
  E-ZOOM                    X12
  ENHANCER           - - - - * - - - -
  CHROMA             - - - - * - - - -
→ SYNC                      INT

  EIS                       OFF
  SENSITIVITY               OFF
  RESET(CAM SETTING)        NO

  FRONT PAGE
```
Synchronization changing screen

```
  SYNC                       LL
                         →  00
```

3. Adjust the phase with the joystick, then press the Set key.
   The sync system setting is recorded.

6.13. Electronic Image Stabilization Settings (C-CC574 and C-CC774 only)

Screen vibrations can be reduced. (Factory default: OFF)

OFF: No image stabilization performed.
ON1: Use this mode for relatively quick screen vibration.
ON2: Use this mode for relatively slow screen vibration.

Notes
· Setting Electronic Image Stabilization to ON narrows the view angle and prevents the electronic zoom magnification from exceeding 1.8-times.
· When Electronic Image Stabilization is set to ON, the Slow Shutter, Wide Dynamic and Motion Detection functions cannot be used.
· When Electronic Image Stabilization is set while Backlight Correction is set to Wide Dynamic, the Backlight Correction setting reverts to its default OFF setting.
· Significant vibration may not be corrected even with Electronic Image Stabilization enabled.
· The screen may vibrate when the camera stops during pan/tilt operations, even if the Electronics Image Stabilization function is used.

1. Select "EIS" from the Camera Settings screen using the joystick and press the Set key.
   The arrow $(\rightarrow)$ moves to the OFF indication (default setting).

```
      *CAMERA SETTING*
 E-ZOOM                 X12
 ENHANCER          ----*----
 CHROMA            ----*----
 SYNC                   INT

➡EIS                    OFF
 SENSITIVITY            OFF
 RESET(CAM SETTING)      NO

 FRONT PAGE
```
EIS settings screen

2. Select "ON1" or "ON2" using the joystick, then press the Set key.
   The Electronic Image Stabilization function is set.

```
 EIS                  ➡ON1
```
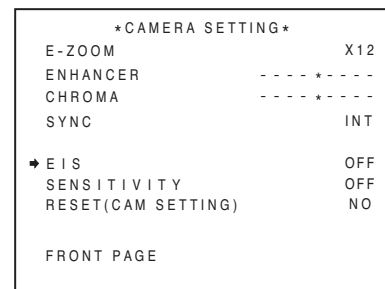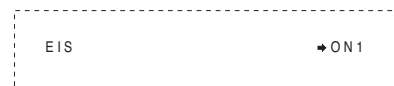
6.14. Sensitivity-Up Settings (C-CC574 and C-CC774 only)

This function increases sensitivity. Selecting ON doubles the sensitivity. (Factory default: OFF)

Notes
· Selecting Sensitivity "ON" disables both the Motion Detection and Wide Dynamic functions. (They are deleted from the menu display.)
· This function is switched to the selected "ON" or "OFF" mode when the Set key is pressed. The indication "SETTING" is displayed when the mode is switched.
· When Sensitivity-Up is set while Backlight Correction is set to Wide Dynamic, the Backlight Correction setting reverts to its default OFF setting.
· Setting Sensitivity-Up to ON causes more moiré fringes to appear.

1. Select "SENSITIVITY" from the Camera Settings screen using the joystick and press the Set key.
   The arrow $(\rightarrow)$ moves to the OFF indication (default setting).

```
      *CAMERA SETTING*
 E-ZOOM                 X12
 ENHANCER          ----*----
 CHROMA            ----*----
 SYNC                   INT

 EIS                    OFF
➡SENSITIVITY            OFF
 RESET(CAM SETTING)      NO

 FRONT PAGE
```
Sensitivity screen

2. Select "ON" or "OFF" using the joystick, then press the Set key.
   The Sensitivity-Up function is set.

```
 SENSITIVITY          ➡ON
```

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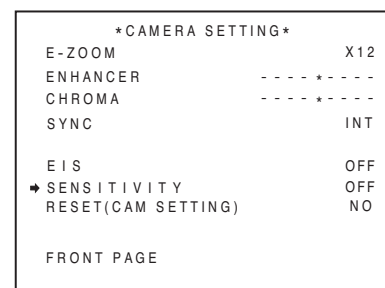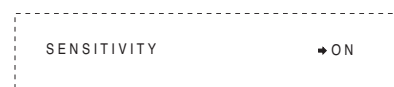
6.15. Initializing Camera Settings

Settings of each item on the Camera Setting screen can be reset and returned to initial status set by the factory.

Note: Settings of Scene function (p. 81) cannot be reset.

1. With the joystick, select "RESET (CAM SETTING)" on the Camera Setting screen, then press the Set key.
   The arrow (→) moves to "NO" (factory default).
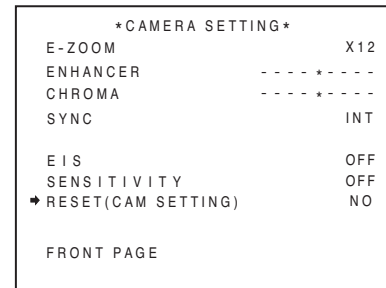
```
        *CAMERA SETTING*
E-ZOOM                      X12
ENHANCER              - - - - * - - - -
CHROMA                - - - - * - - - -
SYNC                        INT

EIS                         OFF
SENSITIVITY                 OFF
➔ RESET(CAM SETTING)        NO

FRONT PAGE
```
Camera setting initialization screen

2. Select "YES" with the joystick, then press the Set key.
   The setting contents related to the camera setting will be reset and returned to the initial status set by the factory.

```
RESET(CAM SETTING)        ➔YES
```

7. SETTING AUTOMATIC OPERATIONS

Automatic operations of 4 automatic functions can be set here: Auto Pan, Sequence, trace and Tour.
The Auto Pan function horizontally moves (pans) the camera between set 2 points.
The Preset Sequence function displays set positions of one same camera on the monitor in predetermined sequential order.
The Trace function follows a set path. Tour function can be operated in combination of Preset, Trace, etc.
One of the 4 functions can be assigned to the Auto key (or Auto Pan key).

[Entering the Auto Mode Setting Screen from the Camera Menu Screen]

Auto operation settings can be performed entering the automatic operation setting screen from the camera menu screen.

1. With the joystick, select "AUTO MODE" on the Camera Menu screen, then press the Set key. The auto operation settings screen is displayed.
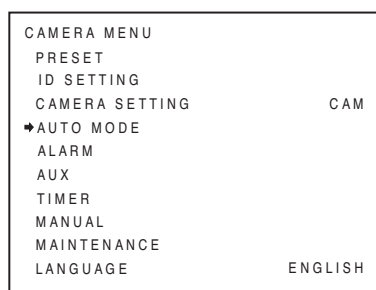
```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING      CAM
➔AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE            ENGLISH
```
Camera menu screen

```
         *AUTO MODE*
➔ AUTO KEY           AUTO PAN
 AUTO PAN
 SEQUENCE
 TRACE               TRACE1
 TRACE1 PAUSE TIME     1sec
 TRACE2 PAUSE TIME     1sec
 TOUR
```
Automatic operation setting screen
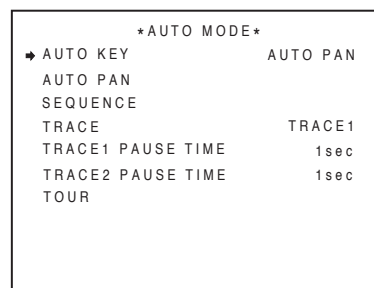
2. Select the setting items with the joystick, then perform each item settings.

7.1. Assigning the Function to the Auto Key

One of the following 5 automatic functions can be assigned to the Auto key:
(factory default: AUTO PAN)

AUTO PAN: Auto Pan operation begins when the Auto key (or Auto Pan key) is pressed.
SEQ: Sequence operation begins when the Auto key (or Auto Pan key) is pressed.
TRACE1:   Trace 1 operation begins when the Auto key (or Auto Pan key) is pressed.
TRACE2:   Trace 2 operation begins when the Auto key (or Auto Pan key) is pressed.
TOUR: Tour operation begins when the Auto key (or Auto Pan key) is pressed.

1. With the joystick, select "AUTO KEY" on the Camera Setting screen, then press the Set key.

2. Select "AUTO PAN," "SEQUENCE," "TRACE1," "TRACE2," or "TOUR1 – 16" with the joystick, then press the Set key.
The function to be assigned to the Auto key (or AUTO PAN key) is recorded.

Note
"TRACE1," "TRACE2," or "TOUR1 – 16" can be operated after Trace or Tour setting has been performed.

```
          * A U T O   M O D E *
➡ AUTO KEY                AUTO PAN
  AUTO PAN
  SEQUENCE
  TRACE                    TRACE1
  TRACE1 PAUSE TIME        1sec
  TRACE2 PAUSE TIME        1sec
  TOUR
```
Automatic operation setting screen

7.2. Auto Pan Function Setting

7.2.1. Setting Auto Pan option operations

Set the Auto Pan operations. (factory default: REVERSE)

REVERSE: Setting both the left and right limits in the Auto Pan limit setting (p. 43) causes the camera to automatically pan between the 2 set points.

SKIP: If both the left and right limits are set in the Auto Pan limit setting (p. 43), the Auto Pan operation begins after returning from an endpoint to a start point. If, for example, the Auto Pan rotation direction (p. 42) is set for right, after the intermediate panning point between the left and right limits is first played back, the camera automatically pans in the right direction. As soon as the camera reaches the right limit, it is instantly returned to the left limit to begin the Auto Pan operation toward the right limit again.

RANDOM: The camera repeats pan and stop operation between two predetermined points at random timing.

PIVOT: After panning for a distance equal to the horizontal lens view angle, the camera stops for a set period of time and then again rotates for a distance equal to the lens view angle. This operation is repeated between the two predetermined points.

1. On the Auto Mode Setting screen, select the "AUTO PAN", then press the Set key.
The auto panning settings screen is displayed.

2. Select "OPTION" with the joystick, then press the Set key.
The arrow $(\rightarrow)$ moves to "REVERSE" (factory default).

3. Select "REVERSE," "SKIP," "RANDOM," or "PIVOT" then press the Set key.
Auto Pan settings is recorded.

```
          * A U T O   P A N *
➡ OPTION                  REVERSE
  PAUSE TIME              1s
  SPEED              - - - * - - -
  DIRECTION              LEFT
  LIMIT                  LEFT
  LIMIT RESET            LEFT
```
Auto-Pan setting screen

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7.2.2. Setting the Auto Pan stop duration at an endpoint

The duration can be selected from 1s, 2s, 3s, 5s, 10s, 20s, and 30s. (Factory default: 1s)

1. On the Auto Pan Mode Setting screen, select " PAUSE TIME"
   with the joystick, then press the Set key.
   The arrow (→) moves to "1s" (factory default).

2. Select "1s," "2s," "3s," "5s," "10s," "20s," or "30s," then press
   the Set key.
   Auto Pan stop duration at an endpoint is recorded.

```
        *AUTO PAN*
 OPTION              REVERSE
➡PAUSE TIME               1s
 SPEED            - - - * - - -
 DIRECTION              LEFT
 LIMIT                  LEFT
 LIMIT RESET            LEFT
```
Pause time setting screen

7.2.3. Auto Pan speed setting

Select the Auto Pan speed.

1. On the Auto Pan Mode Setting screen, select "SPEED" with
   the joystick, then press the Set key.
   Auto Pan speed is recorded.

2. Move "＊" at the appropriate position with the joystick, then
   press the Set key.
   This will record the Auto Pan speed.

   Note
   Moving "＊" further to the right on the setting bar increases the
   Auto Pan speed setting.

```
        *AUTO PAN*
 OPTION              REVERSE
 PAUSE TIME               1s
➡SPEED            - - - * - - -
 DIRECTION              LEFT
 LIMIT                  LEFT
 LIMIT RESET            LEFT
```
Speed setting screen

```
 SPEED            ➡ - * - + - - -
```

7.2.4. Setting the direction of Auto Pan rotation

When the direction of Auto Pan rotation is not set, the Auto Pan camera continues to rotate only in the one-way direction and is not reversed. When either the left or right limit or both limits are set, the direction set here means the direction in which the camera first moves. (Factory default: LEFT)

1. On the Auto Pan Mode Setting screen, select "DIRECTION"
   with the joystick, then press the Set key.

2. Select "LEFT" or "RIGHT" with the joystick, then press the Set
   key.
   The direction of Auto Pan rotation is recorded.

```
        *AUTO PAN*
 OPTION              REVERSE
 PAUSE TIME               1s
 SPEED            - * - + - - -
➡DIRECTION             LEFT
 LIMIT                  LEFT
 LIMIT RESET            LEFT
```
Rotation direction setting screen

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7.2.5. Setting or deleting the Auto Pan limits

Set both the left and right limits of Auto Pan rotation.
When only either the left or right limit is stored, the Auto Pan operation returns at a set point according to the setting of the direction of Auto Pan rotation, that is, the camera is reversed for every 360° rotation. When the tilting position, zoom, and focus position differ between the left and right limits, data last set are stored. In this event, an intermediate panning point between both limits, and last set tilting position, zoom, and focus position are first played back, and then the Auto Pan operation begins.

〔 When setting the limit location of Auto Pan rotation 〕

1. On the Auto Pan Mode Setting screen, select "LIMIT" with the joystick, then press the Set key.

2. Select "LEFT", then press the Set key.
   The Limit Setting screen (left limit) is displayed.

   Note
   In the Place of "∗∗∗" on the Limit Setting screen, the camera number is displayed.

```
         * AUTO PAN *
OPTION              REVERSE
PAUSE TIME               1s
SPEED            - * - + - - -
DIRECTION             LEFT
➧ LIMIT               LEFT
LIMIT RESET           LEFT
```
Limit setting screen

3. Set the desired angle of view with the joystick, zoom key and focus key, then press the Set key.
   The left limit location of Auto Pan rotation is recorded.

3-1 When setting the right limit location as well
   Select "RIGHT" with the joystick, then press the Set key. Since the Limit Setting screen (right limit) is displayed, set the right limit location in the same way as Step 3 above.

3-2 When setting no right limit location
   Exit the Camera Menu screen by pressing the menu start switch or press CLEAR key on the Limit Setting Screen of Step 3-1.

```
* * * - LEFT
LIMIT SETTING
```
Limit setting in progress screen

〔 Deleting the set limit location of Auto Pan rotation 〕

1. On the Auto Pan Mode Setting screen, select "LIMIT RESET" with the joystick, then press the Set key.

2. Select limit location to delete either "LEFT" or "RIGHT" with the joystick, then press the Set key.

3. "LIMIT RESET OK?" appears, then press the Set key.
   The selected limit location will be deleted.

```
         * AUTO PAN *
OPTION              REVERSE
PAUSE TIME               1s
SPEED            - * - + - - -
DIRECTION             LEFT
LIMIT                 LEFT
➧ LIMIT RESET         LEFT
```
Limit reset screen

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7.3. Setting the Sequence Function

7.3.1. Setting the sequential order

Sets the sequence order. (factory default: Normal)

NORMAL: Playbacks preset-memory stored camera positions in numerical order. The stop duration for each position and whether to skip the position depend on "Sequence Playback Duration Settings."

RANDOM: Playbacks preset memory store camera positions in random order. The stop duration for each position is determined in random order.

TEST: Playbacks preset-memory stored camera positions in numerical order. The stop time for each position is set to 1 second and the sequence will be terminated after making a position circuit.

1. On the Auto Pan Mode Setting screen, select "SEQUENCE" with the joystick, then press the Set key.

```
             *AUTO MODE*
AUTO KEY                AUTO PAN
AUTO PAN
➡ SEQUENCE
TRACE                     TRACE1
TRACE1 PAUSE TIME          1sec
TRACE2 PAUSE TIME          1sec
TOUR
```
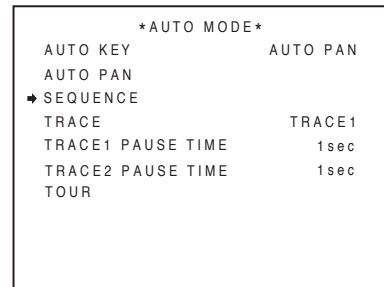
Auto-Pan mode setting screen

2. On the Sequence Setting screen, select "MODE", then press the Set key.
   The arrow (→) moves to "Normal" (factory default).
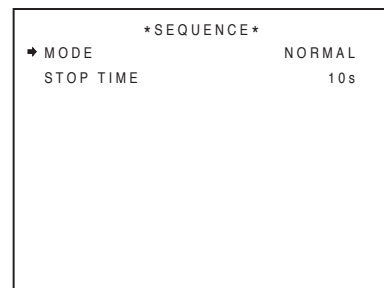
3. Select "NORMAL," "RANDOM," or "TEST" with the joystick, then press the Set key.
   The sequence order is recorded.

```
             *SEQUENCE*
➡ MODE                   NORMAL
STOP TIME                   10s
```

Sequence setting screen

7.3.2. Setting the interval of sequential playback duration

Set the interval of sequential playback duration.
The interval can be selected from "1s," "2s," "3s," "5s," "10s," "20s," and "30s." (Factory default: 10s)

1. On the Auto Pan Mode Setting screen, select "SEQUENCE" with the joystick, then press the Set key.

2. On the Sequence Setting screen, select "STOP TIME", then press the Set key.
   The arrow (→) moves to "1s" (factory default).

3. Select "1s," "2s," "3s," "5s," "10s," "20s," or "30s" with the joystick, then press the Set key.
   The interval of sequential playback duration is recorded.

7.4. Trace Function Setting

7.4.1. Storing the Trace operation

Note
Using the rotation limit function after the trace operation has been stored into memory erases the trace operation memory.

1. On the Auto Operation Setting screen, select "TRACE" with the joystick, then press the Set key.

```
        *AUTO MODE*
AUTO KEY            AUTO PAN
AUTO PAN
SEQUENCE
➥ TRACE              TRACE1
TRACE1 PAUSE TIME      1sec
TRACE2 PAUSE TIME      1sec
TOUR
```
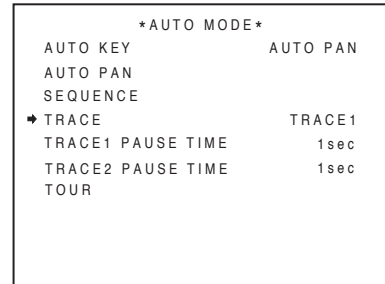
Auto operation setting screen

2. Select "TRACE1" or "TRACE2" with the joystick, then press the Set key.
   The Trace start location screen is displayed.

   Note
   Select either "CLEAR1" or "CLEAR2" to delete the each corresponding trace operation.

```
TRACE1
START POSITION
```
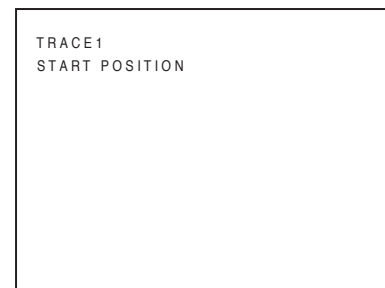
Trace start location screen

3. Set the desired angle of view with the joystick, and zoom key, then press the Set key.
   The Trace Setting in progress screen is displayed, then stores the joystick and zoom operations afterward.

```
TRACE1
REC



                          EVENT:255
```

Trace setting in progress screen

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4. Press the Set key on Trace Setting in progress screen.
"REPLAY" and "MEMORY" screen is displayed.

4-1 When "REPLAY" is selected
Confirms the stored trace.

4-2 When "MEMORY" is selected
Sets the trace function.

Note
Trace can be set after above Step 4 – 2 procedure has been
performed on trace playback and memory screens.

```
┌─────────────────────────────┐
│                             │
│  T R A C E 1                │
│  ➡ R E P L A Y              │
│    M E M O R Y              │
│                             │
│                             │
│                             │
│                             │
│                             │
│                             │
│                             │
└─────────────────────────────┘
```
Trace playback memory screen

[Deleting the trace operation memory]
Select "CLEAR1" or "CLEAR2" in the same way as "Trace Function setting" Step 3 () to delete each
corresponding trace operation.

[Storing the trace operation over again]
Follow Step 1 – 4 again after deleting the trace operation in the above way.

Notes
・ The stored trace operation may slightly differ from the actual played back image on the monitor. To avoid
this, select a wider angle of view than you wish, and slowly operate camera movements during the trace
operation memory.
・ To ensure the reproduction performance, the manual operation speed is limited during trace operation.

7.5. Setting the Trace Pause Time 1 and 2

When continuously playing back the trace operations with the Auto key (or Auto-Pan key), the stop duration
interval between start position and end position of one trace operations can be set. (Factory default: 1s)

1. On the Auto Operation Setting screen, select "TRACE1
PAUSE TIME" or "TRACE2 PAUSE TIME" with the joystick,
then press the Set key.

2. Select "1sec," "2sec," "3sec," "5sec," "10sec," "20sec," or
"30sec" with the joystick, then press the Set key.
The Trace pause time is recorded.
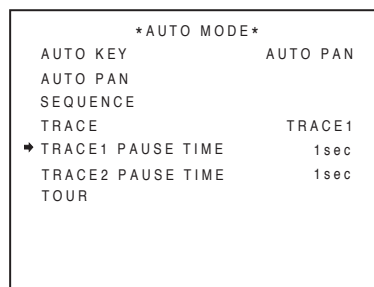
```
┌─────────────────────────────┐
│      * A U T O  M O D E *   │
│  AUTO KEY          AUTO PAN │
│  AUTO PAN                   │
│  SEQUENCE                   │
│  TRACE              TRACE1  │
│  ➡ TRACE1 PAUSE TIME   1sec │
│  TRACE2 PAUSE TIME     1sec │
│  TOUR                       │
│                             │
│                             │
└─────────────────────────────┘
```
Auto operation setting screen

7.6. Tour Setting

7.6.1. Tour programming

Set the operation to be programmed to each Tour Nos. 1 – 16.

1. On the Auto Operation Setting screen, select "TOUR" with the joystick, then press the Set key.

```
         *AUTO MODE*
AUTO KEY              AUTO PAN
AUTO PAN
SEQUENCE
TRACE                  TRACE1
TRACE1 PAUSE TIME        1sec
TRACE2 PAUSE TIME        1sec
➡ TOUR
```
Auto operation setting screen

2. On the Tour Number Selection screen, select the number to be programmed with the joystick, then press the Set key.

```
          *TOUR*
➡ 1: entrance        9: o
  2: w-exit         10: x
  3: e-exit         11: x
  4: x              12: x
  5: x              13: x
  6: o              14: x
  7: o              15: x
  8: o              16: x
```
Tour number selection screen

3. On the Tour setting screen, select "ORDER" with the joystick, then press the Set key.

4. Select the number to be set, then press the Set key.

5. Select the setting items with the joystick, then press the Set key.
   Choices are as follows.

```
    *TOUR  1 SETTING*
➡ ORDER    INSERT    RESET
  1: **1POS    SP120    10sec
  2: **2POS    SP24      3sec
  3: **3POS    SP160     5sec
  4: **4POS    SP120    10sec
  5: TRACE1    1TIME
  6: ***POS    SP***    **sec
  7: ***POS    SP***    **sec
  8: ***POS    SP***    **sec
NEXT PAGE
```
Tour setting screen

***POS:	Performs preset playback.
AUX1 ON, AUX1 OFF:	Gates auxiliary contact.
AUX2 ON, AUX2 OFF:	Gates auxiliary contact.
TOUR1 – 16:	Executes the program of other tour.
TRACE1, TRACE2:	Executes the trace.
B/W ON, B/W OFF:	Switches to Black & White mode or release it.
STOP:	Stops tour.

Note
AUX2 : C-CC564 and C-CC574 only
B/W ON, B/W OFF : C-CC564, C-CC574, C-CC764 and C-CC774 only

Choice	Selected contents 1	Selected contents 2
***POS	SPA / SP8 / SP16 / SP24 / SP40 / SP60 / SP90 / SP120 / SP160 / SP240 / SP360	1sec / 2sec / 3sec / 5sec / 10sec / 20sec / 30sec
AUX1 ON / AUX1 OFF / AUX2 ON / AUX2 OFF	———	———
TOUR 1 – 16	1TIME / 2TIME / 3TIME / 4TIME / 5TIME	———
TRACE 1 / TRACE 2	1TIME / 2TIME / 3TIME / 4TIME / 5TIME	———
B/W ON / B/W OFF	———	———
STOP	———	———

Note: For the details of choice and contents, refer to Step 5-1 afterward.

Note
When selecting preset playback, select "***POS" with the joystick, enter the position number, then press the Set key.

5-1 When preset playback "***POS" is selected

(1) Enter the position number with the numerical keypad, then press the Set key. Pressing the Set key again confirms the number.

(2) Select the preset transfer speed of Pan and Tilt from "SPA," "SP8," "SP16," "SP24," "SP40," "SP60," "SP90," "SP120," "SP240," or "SP360" with the joystick, then press the Set key.

Note
The figure represents the maximum speed of Pan and Tilt (rotation angle per second) when performing the preset transfer.
"A": Operates at a constant speed of "25" without acceleration or deceleration.

(3) Select the stop duration after preset playback completion from "1sec," "2sec," "3sec," "5sec," "10sec," "20sec," or "30sec" with the joystick, then press the Set key.
This will record the program.

5-2 When "TRACE" or "TOUR" is selected

(1) Select the repeat times of Trace or Tour from "Once" – "5 times" with the joystick, then press the Set key.
This will record the program.

5-3 When "AUX ON," "AUX OFF," "B/W ON," "B/ W OFF," or "STOP" is selected

This will record the program.

6. Programming all desired operations to be set in the selected tour number completes the settings.

7.6.2. Inserting operation into Tour program

Add the program into the set tour.

1. On the Auto Operation Setting screen, select "TOUR" with the joystick, then press the Set key.

```
        * AUTO MODE *
  AUTO KEY          AUTO PAN
  AUTO PAN
  SEQUENCE
  TRACE               TRACE1
  TRACE1 PAUSE TIME    1sec
  TRACE2 PAUSE TIME    1sec
➡ TOUR
```

Auto operation setting screen

2. On the Tour Number Selection screen, select the tour number to be programmed with the joystick, then press the Set key.

```
            * TOUR *
➡  1 : entrance        9 : o
   2 : w - exit       10 : x
   3 : e - exit       11 : x
   4 : x              12 : x
   5 : x              13 : x
   6 : o              14 : x
   7 : o              15 : x
   8 : o              16 : x
```

Tour number selection screen

3. On the Tour Setting screen, select "INSERT" with the joystick, then press the Set key.

4. Select the number to be inserted, then press the Set key.
   New Tour is inserted at one place before the selected number.
   Set the program in the same way as Tour Programming () Step 4 afterward.

```
      * TOUR  1 SETTING *
  ORDER   ➡INSERT      RESET
  1 : **1POS   SP120    10sec
  2 : **2POS   SP24      3sec
  3 : **3POS   SP160     5sec
  4 : **4POS   SP120    10sec
  5 : TRACE1   1TIME
  6 : ***POS   SP***    **sec
  7 : ***POS   SP***    **sec
  8 : ***POS   SP***    **sec
  NEXT PAGE
```

Tour setting screen

7.6.3. Deleting Tour program

1. On the Auto Operation Setting screen, select "TOUR" with the joystick, then press the Set key.

```
        * A U T O   M O D E *
A U T O  K E Y              A U T O  P A N
A U T O  P A N
S E Q U E N C E
T R A C E                         T R A C E 1
T R A C E 1  P A U S E  T I M E      1 s e c
T R A C E 2  P A U S E  T I M E      1 s e c
➡ T O U R
```

Auto operation setting screen

2. On the Tour Number Selection screen, select the tour number to be programmed with the joystick, then press the Set key.

```
             * T O U R *
➡  1 : e n t r a n c e        9 : o
   2 : w - e x i t           10 : x
   3 : e - e x i t           11 : x
   4 : x                     12 : x
   5 : x                     13 : x
   6 : o                     14 : x
   7 : o                     15 : x
   8 : o                     16 : x
```

Tour number selection screen

3. On the Tour Setting screen, select "RESET" with the joystick, then press the Set key.

4. Select the number to be deleted, then press the Set key.
   Tour program is deleted.

```
      * T O U R   1   S E T T I N G *
O R D E R     I N S E R T    ➡ R E S E T
 1 : * * 1 P O S    S P 1 2 0     1 0 s e c
 2 : * * 2 P O S    S P 2 4        3 s e c
 3 : * * 3 P O S    S P 1 6 0      5 s e c
 4 : * * 4 P O S    S P 1 2 0     1 0 s e c
 5 : T R A C E 1    1 T I M E
 6 : * * * P O S    S P * * *    * * s e c
 7 : * * * P O S    S P * * *    * * s e c
 8 : * * * P O S    S P * * *    * * s e c
N E X T  P A G E
```

Tour setting screen

8. ALARM SETTINGS

The camera is equipped with alarm contact inputs. When an alarm signal is detected across the two contacts and the alarm is activated, if the ID display has been set to ON, the set ID is displayed on the screen, causing an alarm to operate according to the following settings. When multiple alarms are simultaneously activated, the most recent alarm takes precedence in playback.

Notes
· The number of alarm contact inputs differs depending on the model. Refer to the following.

  3 Contact inputs: C-CC514, C-CC714, C-CC764, C-CC774
  8 Contact inputs: C-CC564, C-CC574

· When assigning the C-RM500's camera alarm and camera alarm preset functions to the unit alarm contact inputs, refer below to set.

INPUT:	ON
REPORT:	ON
ACTIVE:	CLOSE or OPEN
PRIORITY:	ALARM
ACTION:	OFF
TIME:	Put the clock right to the C-RM500's alarm time settings
RESET ACTION:	OFF

· The alarm can also be activated by setting "Action" Alarms 1–8 of the Motion Detection setting item, other than alarm input terminals (refer to p. 76). The following table shows the number of inputs and settings for each camera.
The number of the alarm input terminal matches the number of the setting item.

Model Number	Input Method		Setting
	No. of alarm input terminals	Motion detection–action	No. of alarm setting items
C-CC564, C-CC574	8	8	8
C-CC764, C-CC774	3	8	8
C-CC514, C-CC714	3	0	3

8.1. Input Setting

Of alarm inputs, designate the input number to which an alarm signal is actually connected. Unless the alarm input settings are performed, alarm is not activated even if the alarm signal is received.

1. On the Camera Menu screen, select "ALARM", then press the Set key.

```
CAMERA MENU
  PRESET
  ID SETTING
  CAMERA SETTING        CAM
  AUTO MODE
 ➡ALARM
  AUX
  TIMER
  MANUAL
  MAINTENANCE
  LANGUAGE           ENGLISH
```
Camera menu screen

→

```
          *ALARM*
 ➡ INPUT
   REPORT
   ACTIVE STATE
   PRIORITY
   ACTION
   INTERVAL
   RESET ACTION
   ALARM DATA
```
Alarm setting screen
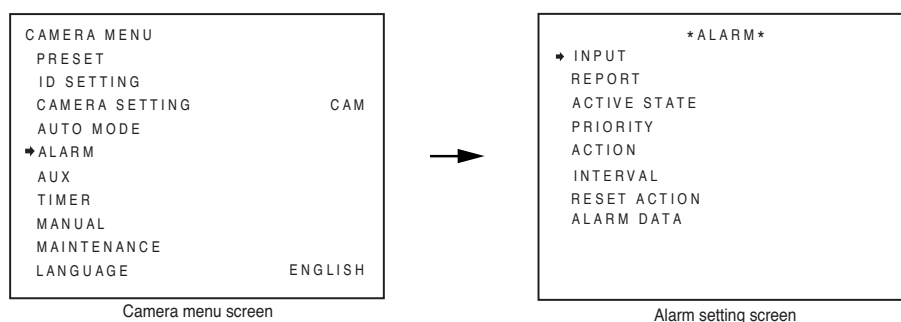
2. On the Alarm Settings screen, select "INPUT", then press the Set key.

3. On the Alarm Input Setting screen, select the number, then press the Set key.

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4. Select "ON" with the joystick, then press the Set key to enable alarm reception.

   Note: Set to "OFF" when disabling alarm reception.

5. Repeat Step 3, 4 to turn the all numbers to which alarm signal is input "ON."

```
            * A L A R M *
   I N P U T
- - - - - - - - - - - - - - - - - - - - - - - -
  ➡ 1 :   O N
    2 :   O N
    3 : O F F
    4 : O F F
    5 : O F F
    6 : O F F
    7 : O F F
    8 : O F F
```

Alarm input setting screen

8.2. Report Setting

Specify the terminal that transmits alarm input information to the controller.

1. On the Alarm Setting screen, select "REPORT", then press the Set key.

2. On the Alarm Setting screen, select the number, then press the Set key.

```
            * A L A R M *
   I N P U T
 ➡ R E P O R T
   A C T I V E   S T A T E
   P R I O R I T Y
   A C T I O N
   I N T E R V A L
   R E S E T   A C T I O N
   A L A R M   D A T A
```

Alarm setting screen

3. Select "ON" with the joystick, then press the Set key to enable transmission of alarm input information.

4. Repeat Step 2, 3 to turn the all numbers to which alarm signal is transmitted "ON."

```
            * A L A R M *
   R E P O R T
- - - - - - - - - - - - - - - - - - - - - - - -
  ➡ 1 :   O N
    2 :   O N
    3 : O F F
    4 : O F F
    5 : O F F
    6 : O F F
    7 : O F F
    8 : O F F
```

Alarm report setting screen

8.3. Active Level Setting

Specify whether to receive alarm signal information with make or break contact.

1. On the Alarm Setting screen, select "ACTIVE STATE", then press the Set key.

2. On the Alarm Active Setting screen, select the number, then press the Set key.

3. Select "CLOSE" or "OPEN" with the joystick, then press the Set key to determine the alarm signal reception condition.

4. Repeat Step 2, 3 to perform Active Level setting in accordance with the alarm signal reception condition.

```
            * A L A R M *
  I N P U T
  R E P O R T
➡ A C T I V E   S T A T E
  P R I O R I T Y
  A C T I O N
  I N T E R V A L
  R E S E T   A C T I O N
  A L A R M   D A T A
```
Alarm setting screen

```
            * A L A R M *
  A C T I V E   S T A T E
- - - - - - - - - - - - - - - - - - - - - - - -
➡ 1 : C L O S E
  2 :   O P E N
  3 : C L O S E
  4 : C L O S E
  5 : C L O S E
  6 : C L O S E
  7 : C L O S E
  8 : C L O S E
```
Alarm active setting screen

8.4. Priority Setting

Specify whether to display the set alarm ID on the screen and forcibly execute alarm operation or give priority to operation when an alarm signal is received.

Alarm: Ignores commands from the controller and starts alarm operation.

Manual: Initiates alarm operation only while operating the initial program.

Timer: Initiates alarm operation after the preset time elapses. When the initial program is operating, alarm operations are initiated immediately.

1. On the Alarm Setting screen, select "PRIORITY", then press the Set key.

2. On the Alarm Priority Setting screen, select the number, then press the Set key.

3. Select "ALARM," "MANUAL," or "TIMER" with the joystick, then press the Set key to confirm the priority function settings.

3-1 When "ALARM," or "MANUAL" is selected

Priority function settings are recorded.

3-2 When "Timer" is selected

Select the preset time before alarm operation initiation from "3sec," "5sec," "10sec," "15sec," "20sec," "30sec," "45sec," or "1min" and press the Set key to confirm the priority function settings.

4. Repeat Step 2, 3 to perform priority function settings of alarm inputs to be used.

```
            * A L A R M *
  I N P U T
  R E P O R T
  A C T I V E   S T A T E
➡ P R I O R I T Y
  A C T I O N
  I N T E R V A L
  R E S E T   A C T I O N
  A L A R M   D A T A
```
Alarm setting screen

```
            * A L A R M *
  A C T I V E   S T A T E
- - - - - - - - - - - - - - - - - - - - - - - -
➡ 1 : A L A R M
  2 : T I M E R     3 s e c
  3 : A L A R M
  4 : A L A R M
  5 : A L A R M
  6 : A L A R M
  7 : A L A R M
  8 : A L A R M
```
Alarm priority setting screen

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8.5. Operation (Action) Setting

Specify the camera's operation (Action) when an alarm signal is received.

Note
The camera's alarm function, and the C-RM500 Controller's camera alarm function and camera alarm preset function are operated independently, and cannot be used together. Also, the C-RM500's alarm hold function cannot be used to hold alarm operation.
To enable the camera's alarm operation function, set the C-RM500's Camera Alarm Settings to OFF.

1. On the Alarm Setting screen, select "ACTION", then press the Set key.

```
         *ALARM*
  INPUT
  REPORT
  ACTIVE STATE
  PRIORITY
➡ ACTION
  INTERVAL
  RESET ACTION
  ALARM DATA
```
Alarm setting screen

2. On the Alarm Action Setting screen, select the number, then press the Set key.

3. Select "OFF," "***POS," "TOUR1 – 16," "AUX1 ON," "AUX2 ON," "AUX1 OFF," "AUX2 OFF," "TRACE1," "TRACE2," or "HOME" with the joystick, then press the Set key.

3-1 When item other than "***POS" is selected

Selecting the items other than "***POS" records camera operation (Action).

3-2 When "***POS" is selected

3-2-1 Enter the position number with numerical keypad, then press the Set key.

3-2-2 Pressing the Set key displays the selected position number on the monitor screen.

```
         *ALARM*
  ACTION
- - - - - - - - - - - - - - - - - -
➡ 1 : OFF
  2 : TRACE1
  3 : OFF
  4 : OFF
  5 : OFF
  6 : OFF
  7 : OFF
  8 : OFF
```
Alarm action setting screen

4. Repeat Step 2, 3 to record the camera operation corresponding to each receiving input number.

Note
AUX2 : C-CC564 and C-CC574 only
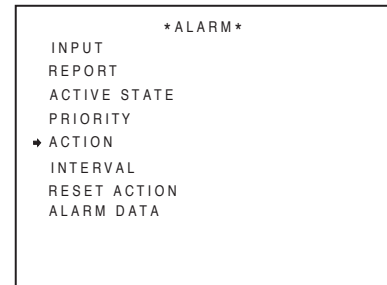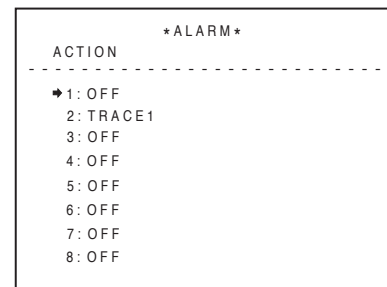
8.6. Clock Setting

Specify the period of time that alarm conditions are maintained when an alarm signal is received.

1. On the Alarm Setting screen, select "INTERVAL", then press the Set key.

```
              * A L A R M *
   I N P U T
   R E P O R T
   A C T I V E   S T A T E
   P R I O R I T Y
   A C T I O N
 ➜ I N T E R V A L
   R E S E T   A C T I O N
   A L A R M   D A T A
```
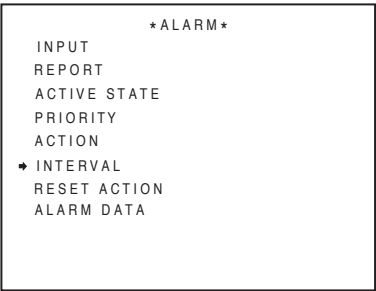
Alarm setting screen

2. On the Alarm Clock Setting screen, select the number, then press the Set key.

3. Select "3sec," "5sec," "10sec," "15sec," "20sec," "30sec," "45sec," "1min," "3min," "5min," or "Level" with the joystick, then press the Set key to confirm the duration that alarm conditions are maintained.
When the Alarm Report is set to ON, pressing the Set key transmits the alarm input signal for the preset period of time to the controller.

```
              * A L A R M *
   I N T E R V A L
 - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 ➜ 1 : 2 0 s e c
   2 : 5 s e c
   3 : 2 0 s e c
   4 : 2 0 s e c
   5 : 2 0 s e c
   6 : 2 0 s e c
   7 : 2 0 s e c
   8 : 2 0 s e c
```
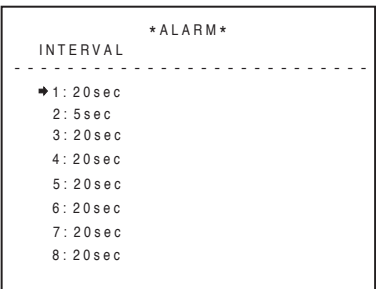
Alarm clock setting screen

Note
Level will continue alarm status during alarm signal reception.

4. Repeat Step 2, 3 to perform duration settings.

8.7. Reset Operation (Action) Setting

Specify the camera's operation when alarm conditions are reset.

Note
The camera's alarm reset operation function, and the C-RM500 Controller's camera alarm function and camera alarm preset function are operated independently, and cannot be used together. Also, the C-RM500's alarm hold function cannot be used to hold alarm reset operation.
To enable the camera's alarm operation function, set the C-RM500's Camera Alarm Settings to OFF.

1. On the Alarm Setting screen, select "RESET ACTION," then press the Set key.

```
              *ALARM*
   INPUT
   REPORT
   ACTIVE STATE
   PRIORITY
   ACTION
   INTERVAL
 ➜ RESET ACTION
   ALARM DATA


```
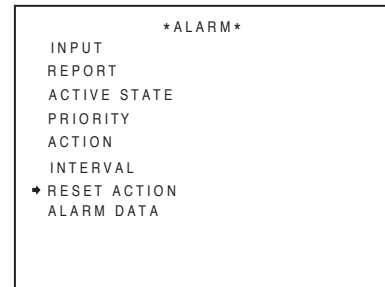
Alarm setting screen

2. On the Alarm Reset Operation Setting screen, select the number, then press the Set key.

3. Select "OFF," "✱✱✱POS," "TOUR1 – 16," "AUX1 ON," "AUX2 ON," "AUX1 OFF," "AUX2 OFF," "TRACE1," "TRACE2," or "HOME" with the joystick, then press the Set key.

3-1 When item other than "✱✱✱POS" is selected

Selecting the items other than "✱✱✱POS" record camera operation (Action).

3-2 When "✱✱✱POS" is selected

3-2-1 Enter the position number with numerical keypad, then press the Set key.

3-2-2 Pressing the Set key displays the selected position number on the monitor screen.

```
              *ALARM*
   RESET ACTION
 - - - - - - - - - - - - - - - - - - - - - - - -
 ➜ 1:   3POS
   2: TRACE1
   3: TOUR1
   4:  32POS
   5: OFF
   6: OFF
   7: OFF
   8: OFF
```

Alarm reset operation setting screen

4. Repeat Step2, 3 to record the camera operation corresponding to each receiving input number.

Note
AUX2 : C-CC564 and C-CC574 only

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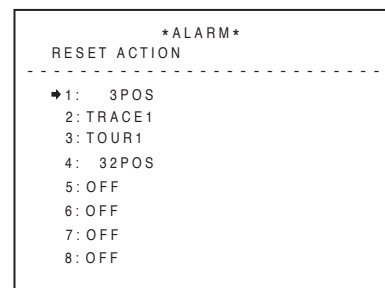
8.8. Verifying Alarm Logs (Alarm Data)

1. Select "ALARM DATA" on the Alarm Setting screen, then press the Set key.

```
            *ALARM*
  INPUT
  REPORT
  ACTIVE STATE
  PRIORITY
  ACTION
  INTERVAL
  RESET ACTION
➡ ALARM DATA
```
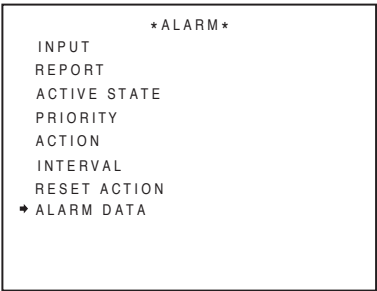
Alarm setting screen

2. Search the log number to be confirmed on the alarm log screen.

Note
Alarm log recorded most recently takes precedence.
Up to 16 latest logs can be displayed.

```
            *ALARM*
  ALARM DATA
- - - - - - - - - - - - - - - - - - - - - - - - - - -
➡1: MM/DD/YY    A1
  2:
  3:
  4:
  5:
  6:
  7:
  8:
```

Alarm log screen

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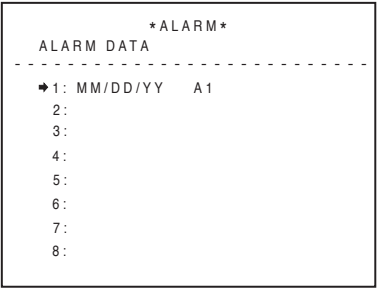
9. CONTACT OUTPUT SETTINGS

Camera built-in contact outputs can be controlled by the controller.

9.1. AUX1 Setting

The AUX1 is an open collector type contact. The controller's auxiliary switch is used to control it.

1. Select "AUX" on the Camera Menu screen, then press the Set key.
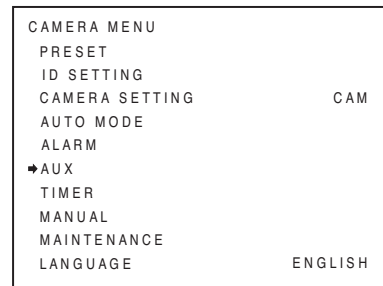
```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING          CAM
 AUTO MODE
 ALARM
➡AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE             ENGLISH
```
Camera menu screen

2. Select "AUX1" on the AUX (Contact Output Setting) screen, then press the Set key.
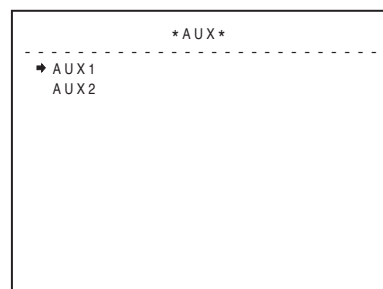
```
          *AUX*
- - - - - - - - - - - - - - - - - - - - - - - - -
➡AUX1
 AUX2
```
AUX (Contact output setting) screen

3. Select "INITIAL STATE" on AUX1 Setting screen, then press the Set key.

4. Select "ON" or "OFF" with the joystick, then press the Set key.
When the initializing operation has been terminated after the power had been turned on, set the AUX1 to ON (valid) or OFF (invalid).

5. Select "ON STATE" on the AUX1 Setting screen, then press the Set key.
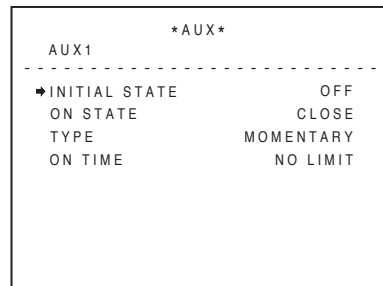
```
          *AUX*
 AUX1
- - - - - - - - - - - - - - - - - - - - - - - - -
➡INITIAL STATE          OFF
 ON STATE             CLOSE
 TYPE             MOMENTARY
 ON TIME           NO LIMIT
```
AUX 1 (Contact output 1) setting screen

6. Select "CLOSE" or "OPEN" with the joystick, then press the Set key.
Set the contact whether to Close or Open when it is turned ON.

7. Do not change setting of "TYPE" on the AUX1 Setting screen.

Note
Do not set types other than Momentary (factory default). If changed, AUX1 does not operate correctly.

8. Select "ON TIME" on the AUX1 Setting screen, then press the Set key.

9. Select "NO LIMIT," "1sec," "2sec," "3sec," "5sec," "10sec," "20sec,"or "30sec" with the joystick, then press the Set key to set the duration that the contact is maintained ON.

NO LIMIT:
Maintained to be ON until it is turned OFF

"1sec," "2sec," "3sec," "5sec," "10sec," "20sec," "30sec":
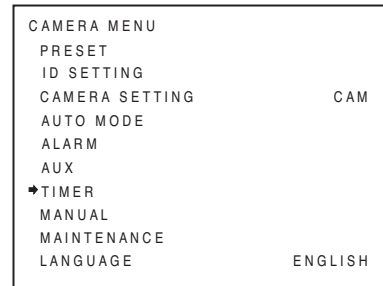Contact is maintained ON for the preset duration.

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9.2. AUX2 Setting (C-CC564 and C-CC574 only)

The AUX2 is a relay type contact. The controller's defroster switch is used to control it.

1. Select "AUX2" on the AUX (Contact Output Setting) screen, then press the Set key.

```
              * A U X *
- - - - - - - - - - - - - - - - - - - - - - - -
  A U X 1
➔ A U X 2
```
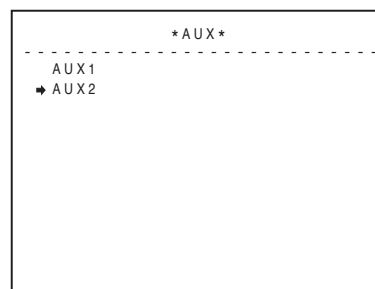
AUX setting screen

2. Do not change setting of "Type" on the AUX2 Setting screen.

   Note
   Do not set types other than Momentary (factory default). If changed, AUX2 does not operate correctly.

3. Select "ON TIME" in the AUX2 Setting screen, then press the Set key.

4. Select "NO LIMIT," "1sec," "2sec," "3sec," "5sec," "10sec," "20sec,"or "30sec" with the joystick, then press the Set key to set the duration that the contact is maintained ON.

   NO LIMIT:
   Maintained to be ON until it is turned OFF

   "1sec," "2sec," "3sec," "5sec," "10sec," "20sec," "30sec":
   Contact is maintained ON for the preset duration after receipt of ON instruction.

```
              * A U X *
  A U X 2
- - - - - - - - - - - - - - - - - - - - - - - -
➔ T Y P E              M O M E N T A R Y
  O N  T I M E            N O  L I M I T
```
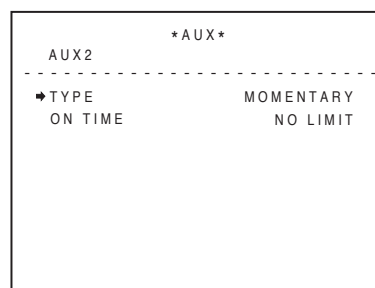
AUX 2 setting screen

10. TIMER SETTINGS

10.1. Program Settings

Predetermined operations can be set to be performed at preset times. Select the program from Preset Memory, Home Position Change, Auto Operation, and Contact Control. The programs can also be set for several types of operation, including "one time only," "daily preset times," and "weekly." Up to 16 programs can be set for a timer.

1. Select "TIMER" on the Camera Menu screen, then press the Set key.

```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING          CAM
 AUTO MODE
 ALARM
 AUX
➡TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE              ENGLISH
```
Camera menu screen

2. Select "PROGRAM" on the Timer Settings screen, then press the Set key.
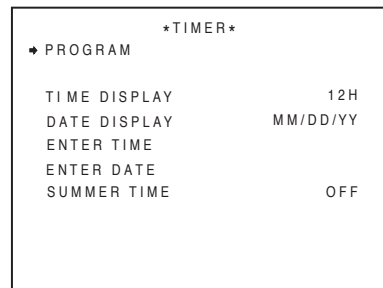
```
          *TIMER*
➡ PROGRAM

 TIME DISPLAY            12H
 DATE DISPLAY         MM/DD/YY
 ENTER TIME
 ENTER DATE
 SUMMER TIME            OFF
```
Timer setting screen

3. Select the program number to be set on Timer Program screen, then press the Set key.
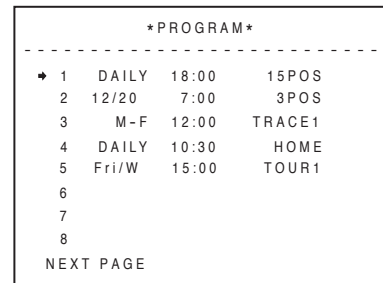
```
         *PROGRAM*
- - - - - - - - - - - - - - - - - - - - - - - - -
➡ 1    DAILY  18:00      15POS
  2   12/20   7:00      3POS
  3    M-F   12:00     TRACE1
  4   DAILY  10:30      HOME
  5   Fri/W  15:00      TOUR1
  6
  7
  8
 NEXT PAGE
```
Timer program screen

4. Select "REPEAT" on Timer Program Setting screen, then press the Set key.

5. Select "OFF," "DAILY," "M – F," or "WEEKLY" with the joystick, then press the Set key.
   Repeating timer-operated programs are then set.
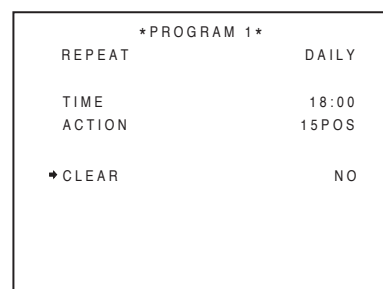
```
         *PROGRAM 1*
 REPEAT                 DAILY

 TIME                   18:00
 ACTION                 15POS

➡CLEAR                   NO
```
Timer program setting screen

5-1 When OFF is selected

(1) Select "DATE" and press the Set key.
(2) Enter the month with Numerical keypad and press the Set key.
(3) Press the Set key to set the month.
    Similarly, set last 2 digits for day and year.

Note
The display formats of Month /Day/ Year or Day/ Month/ Year follows the date display setting.

5-2 When WEEKLY is selected

(1) Select "DATE" and press the Set key.
(2) Select a day of the week from "SUN" to "SAT", then press the Set key.

6. Select "TIME" on the Program Setting screen, the press the Set key.

6-1 Enter the time with Numerical keypad and press the Set key.

6-2 Press the Set key to set the time.
    Similarly, set the minute.

7. Select "***POS" on the Program Setting screen, then press the Set key.

8. Select "***POS," "TOUR1 – 16," "AUX1 ON," "AUX2 ON," "AUX1 OFF," "AUX2 OFF," "TRACE1,"
   "TRACE2," or "HOME" with the joystick, then press the Set key.

8-1 When setting "***POS"

(1) Select "***POS" with the joystick, designate the number with the Numerical keypad and press the Set key.
(2) Press the Set key to set the action.

8-2 When setting "AUX1 ON," "AUX1 OFF," "AUX2 ON," "AUX2 OFF," "TRACE1," "TRACE2" and "TOUR1 – 16"

(1) Select the desired item from the above, then press the Set key.
(2) Press the Set key to set the action.

8-3 When setting "Home"

(1) Select "HOME" with the joystick, then press the Set key.
(2) Select "1POS," "2POS," "254POS," "255POS," "AUTO PAN," "SEQUENCE," "TRACE1," "TRACE2," or
    "TOUR1 – 16" with the joystick, then press the Set key.
    Press the Set key to set the action.

Note
When the "Home" has been set, the home operation can be changed at the preset time.

Note
AUX2 : C-CC564 and C-CC574 only

10.1.1. Erasing Timer program

1. Select "PROGRAM" on the Timer Setting screen, press the Set key.

```
              *TIMER*
  ➜ PROGRAM

    TIME DISPLAY            12H
    DATE DISPLAY       MM/DD/YY
    ENTER TIME
    ENTER DATE
    SUMMER TIME            OFF


```
Timer setting screen

2. Select the program number to be erased on program screen, then press the Set key.

```
             *PROGRAM*
  - - - - - - - - - - - - - - - - - - - - - - - - -
  ➜  1   DAILY   18:00     15POS
     2   12/20    7:00      3POS
     3     M-F   12:00     TRACE1
     4   DAILY   10:30      HOME
     5   Fri/W   15:00     TOUR1
     6
     7
     8
  NEXT PAGE
```
Timer program screen

3. Select "CLEAR" on the Program Setting screen, then press the Set key.

4. Select "YES" with the joystick, then press the Set key. Pressing the Set key erases the timer program.

```
            *PROGRAM 1*
    REPEAT                DAILY

    TIME                  18:00
    ACTION                15POS

  ➜ CLEAR                   NO


```
Timer program setting screen

10.2. Time Display Selection

The time display can be set to 12-hour or 24-hour display formats.

1. Select "TIME DISPLAY" on the Timer Setting screen, then press the Set key.

2. Select "12H" or "24H"with the joystick, then press the Set key.
   Pressing the Set key sets the timer display format.

```
              *TIMER*
    PROGRAM

  ➡ TIME DISPLAY              12H
    DATE DISPLAY         MM/DD/YY
    ENTER TIME
    ENTER DATE
    SUMMER TIME              OFF

```

Timer setting screen

10.3. Date Display Setting

The date display can be set for month/ day /year, day/ month/ year or year/ month/ day display formats.

1. Select "DATE DISPLAY" on the Timer Setting screen, then press the Set key.

2. Select "MM/ DD/ YY," "DD/ MM/ YY," or "YY/ MM/ DD" with the joystick, then press the Set key.
   Pressing the Set key sets the date display format.

   Note: MM: month, DD: date, YY: year

```
              *TIMER*
    PROGRAM

    TIME DISPLAY              12H
  ➡ DATE DISPLAY         MM/DD/YY
    ENTER TIME
    ENTER DATE
    SUMMER TIME              OFF

```

Timer setting screen

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10.4. Setting the Timer

1. Select "ENTER TIME" on the Timer Setting screen, then press the Set key.

```
                *TIMER*
        PROGRAM

        TIME DISPLAY          12H
        DATE DISPLAY      MM/DD/YY
      ➡ ENTER TIME
        ENTER DATE
        SUMMER TIME           OFF


```
Timer setting screen

2. Enter the time figures with Numerical keypad, then press the Set key.
   Pressing the Set key sets the time and the arrow（↑）moves to "minutes."

3. Repeat Step 2 to set the minute.

4. When the arrow（↑）moves to "second", press the Set key. "Second" indication is cleared to 00 and the time is set.

   Note: Time can be set in the order of hour/ minute/ second.

```
                *TIMER*
        ENTER TIME



            15:26:27
             ↑



```
Time setting (Enter time) screen

10.5. Setting the Date

1. Select "ENTER DATE" on the Timer Setting screen, then press the Set key.

```
                *TIMER*
        PROGRAM

        TIME DISPLAY          12H
        DATE DISPLAY      MM/DD/YY
        ENTER TIME
      ➡ ENTER DATE
        SUMMER TIME           OFF


```
Timer setting screen

2. Enter the month figures with Numerical keypad, then press the Set key.
   The arrow（↑）moves to "Date."

3. Repeat Step 2 to set month/date/year.

   Note
   The display formats of Month/ Day/ Year or Day/ Month/ Year follows the date display setting.

```
                *TIMER*
        ENTER DATE



            01/25/04
             ↑



```
Date setting screen

10.6. Setting the Summer Time (Daylight saving time)

Enables summer time between 2:00 AM on the set first day of summer time and 2:00 AM on the last day.

OFF: Disables summer time.
ON: Enables summer time.
SET: Performs summer time setting.

1. On the Timer Setting screen, select "SUMMER TIME", then press the Set key.

2. Select "OFF," "ON," or "SET" with the joystick, then press the Set key.

2-1 When "ON," or "OFF" is selected

Selecting "ON" or "OFF" terminates Summer time enable/disable settings.

2-2 When "SET" is selected

(1) Select either "FIRST DAY" or "LAST DAY" with the joystick, then press the Set key.
The arrow (→) moves to "Month."

(2) Select "Month" with the joystick, then press the Set key.
The arrow (→) moves to "Week."

(3) Select "Week" with the joystick, then press the Set key.
Pressing the Set key sets the first day or the last day of the summer time.

```
            *TIMER*
 PROGRAM

 TIME DISPLAY           12H
 DATE DISPLAY       MM/DD/YY
 ENTER TIME
 ENTER DATE
 ➡ SUMMER TIME          OFF
```
Summer time setting screen

```
            *TIMER*
 SUMMER TIME SETTING

 ➡FIRST DAY            JAN
                   1ST SUN
   LAST DAY            JAN
                   1ST SUN
```
Summer time setting screen

11. MANUAL SETTINGS

11.1. Resetting Zoom Interlocking

Rotation speed relative to zoom ratio can be set to OFF. Select OFF when the function of reducing the rotation speed during telescopic operation is not needed.

1. Select "MANUAL" on the Camera Menu screen, then press the Set key.

```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING          CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
➡MANUAL
 MAINTENANCE
 LANGUAGE             ENGLISH
```
Camera menu screen

2. Select "ZOOM SCALABLE P/T" on the Manual Settings screen, then press the Set key.

3. Select "ON" or "OFF" with the joystick, then press the Set key.
   Pressing the Set key sets the Zoom Interlocking function status.

```
        *MANUAL*
➡ ZOOM SCALABLE P/T       ON
  P/T LIMIT               OFF
  P/T LIMIT SETTING      LEFT
  MAX P/T SPEED           120
  FLIP                    OFF
  UP LIMIT                ON
```
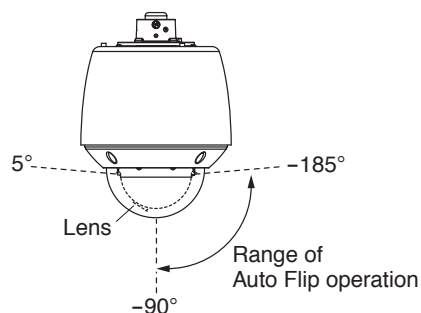Manual setting screen

11.2. Rotation Limit Selection

Designate the pan and tilt rotation range limits.

OFF: Disables rotation limits.
ON: Enables rotation limits. The camera does not tilt between −90° and −185°.
CLEAR: Deletes all rotation limit positions.

Notes
· Enabling the rotation limit sets the tilt range to between +5° and −185°. The auto-flip function is automatically disabled.
· Enabling the rotation limit cancels the trace setting.

1. Select "P/T LIMIT" on the Manual Setting screen, then press the Set key.

```
        *MANUAL*
  ZOOM SCALABLE P/T       ON
➡ P/T LIMIT              OFF
  P/T LIMIT SETTING      LEFT
  MAX P/T SPEED           120
  FLIP                    OFF
  UP LIMIT                ON
```
Manual setting screen

2. Select "OFF," "ON," or "CLEAR " with the joystick, then press the Set key.
   Pressing the Set key sets the Rotation Limit status.

11.3. Rotation Limit Setting

Set the pan and tilt rotation range.

1. Select "P/T LIMIT SETTING" on the Manual Setting screen, then press the Set key.

2. Select "LEFT," "RIGHT," "UP," or "DOWN" with the joystick, then press the Set key.
   Pressing the Set key sets the direction of rotation range to be set.

3. Tilt the joystick left or right to set the limit orientation to "LEFT" or "RIGHT" and upward or downward to set "UP" or "DOWN", then press the Set key.

4. Repeat Step 2, 3 to perform settings for all directions.
   The rotation limit can be set.

```
            *MANUAL*
ZOOM SCALABLE P/T        ON
P/T LIMIT                OFF
➡ P/T LIMIT SETTING      LEFT
MAX P/T SPEED            120
FLIP                     OFF
UP LIMIT                 ON
```
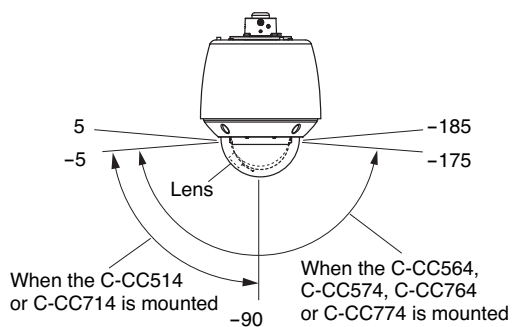Manual setting screen

```
* * * ▬ LEFT
P/T LIMIT SETTING
```
Rotation limit (left) setting screen

11.4. Manual Speed Setting

Set the maximum speed of panning and tilt in manual operation.

1. Select "MAX P/T SPEED" on the Manual Setting screen, then press the Set key.

2. Select "A," "8," "16," "24," "40," "60," "90," "120," "160," "240," or "360", then press the Set key.
   Pressing the Set key sets the maximum speed in manual operation.

   Note
   The larger the figure is, the faster pan and tilt speeds.
   "A" : Operates at a constant speed of "25" without acceleration or deceleration.

```
            *MANUAL*
ZOOM SCALABLE P/T        ON
P/T LIMIT                OFF
P/T LIMIT SETTING        LEFT
➡ MAX P/T SPEED          120
FLIP                     OFF
UP LIMIT                 ON
```
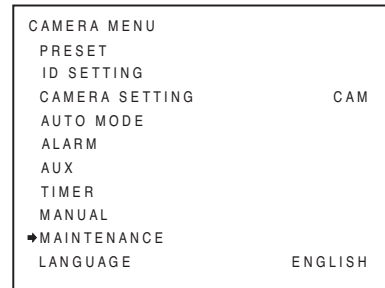Manual setting screen

11.5. Setting the Flip Function (C-CC564, C-CC574, C-CC764 and C-CC774 only)

Sets a tilt operation (rotating the camera vertically) between –90° to –185°. (Factory default : OFF)

OFF: Turns the Flip function off.
             Tilt operation between –90° to –185° cannot be performed.
AUTO: Turns the Flip function on.
             This function flips the image shown on the monitor when the camera stops executing a tilt operation (rotating the camera vertically) between –90° to –185°.
MECHANICAL: Turns the Mechanical Flip function on.
             This function flips the image shown on the monitor by rotating the camera 180° in the panning direction while its tilt operation (rotating the camera vertically) is going on at the range of –90°.

Notes

- If Backlight Compensation is set to "WIDE DYNAMIC", backlight compensation by "WIDE DYNAMIC" will not function for the duration that the Auto-Flip function is in operation.

- The Auto-Flip function automatically switches to OFF when the Privacy Masking function is ON (p. 77) or Rotation Limit function is ON.

- When the Auto-Flip function is in the process of flipping the image on the monitor, the Slow Shutter function (p. 36) will not operate.

- When setting Preset Memory for the C-CC564, C-CC574, C-CC764 or C-CC774, it is recommended that the Auto-Flip function be turned off temporarily.

1. On the Manual Setting screen, select "FLIP" with the joystick, then press the Set key.
   The arrow (→) moves to "OFF" (factory default).

2. Select "AUTO," "OFF," or "MECHANICAL" with the joystick, then press the Set key.
   Pressing the Set key sets the Flip function settings.

```
            * M A N U A L *
ZOOM SCALABLE P/T            ON
P/T LIMIT                   OFF
P/T LIMIT SETTING          LEFT
MAX P/T SPEED               120
➡ FLIP                     AUTO
UP LIMIT                     ON
```

Manual setting screen

11.6. Resetting Tilt Angle Limits

When the camera's vertical rotation is set to horizontal (0°
or –180°) with the joystick, the camera's case may appear
at the top of the screen, causing a dark patch. Setting this
switch to the ON position limits the tilt angle, as shown at
right, and reduces the amount of case visible onscreen.
(Factory default : ON)

1. Select "UP LIMIT" on the Manual Setting screen, then
   press the Set key.
   The arrow (→) moves to "ON" (factory default).

2. Select "ON" or "OFF" with the joystick, then press the
   Set key.
   Pressing the Set key sets the Tilt Angle Limit status.


```
            *MANUAL*
ZOOM SCALABLE P/T        ON
P/T LIMIT               OFF
P/T LIMIT SETTING       LEFT
MAX P/T SPEED           120
FLIP                    OFF
➡ UP LIMIT              ON
```

Manual setting screen

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12. MAINTENANCE SETTINGS

This menu is used to control functions as well as to display information required during installation or maintenance.

1. Select "MAINTENANCE" on the Camera Menu screen, then press the Set key.

```
CAMERA MENU
 PRESET
 ID SETTING
 CAMERA SETTING        CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
➡MAINTENANCE
 LANGUAGE            ENGLISH
```
Camera menu screen

2. Change the portion pointed by the arrow（↑）with the password (figures) with the joystick, then press the Set key. The arrow（↑）moves to place to the right.

3. Repeat Step 2 to enter 4-digit password, then press the Set key.
   Pressing the Set key displays the Maintenance screen.

```
    *MAINTENANCE*


     PASSWORD
      1111
       ↑
```
Password entry screen

12.1. Initializing

In the combination camera's preset memory playback function, a stepping motor is controlled by open loop. Therefore, if the camera is used for long uninterrupted periods of time, the camera position may deviate from the original settings. In such cases, deviation can be corrected with re-initialization.

Note: Set data are not erased during initialization.

1. Select "INITIALIZE" on the Maintenance screen, then press the Set key.

2. Select "YES" with the joystick, then press the Set key.
   Pressing the Set key starts initialization.
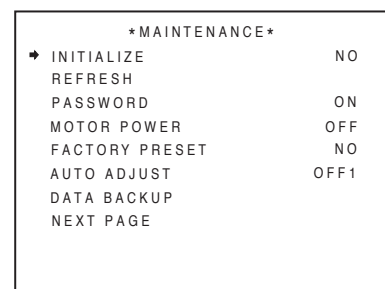
```
     *MAINTENANCE*
➡ INITIALIZE          NO
  REFRESH
  PASSWORD            ON
  MOTOR POWER         OFF
  FACTORY PRESET      NO
  AUTO ADJUST         OFF1
  DATA BACKUP
  NEXT PAGE
```
Maintenance setting screen

12.2. Refresh Function Settings

If the camera is used for long uninterrupted periods of time, the camera position may deviate when the position is played back. In such cases, deviation can be corrected using the auto-refresh function. Also, if the camera's horizontal rotation contacts get dirty, the displayed image may become distorted or manual horizontal rotation interrupted. In such cases, the auto-refresh function cleans horizontal rotation contacts periodically.

OFF:　　　Not refreshed.
EVERY:　　Refreshes at set time each day.
SUN-SAT: Refreshes at set time and day each week.

1. Select "REFRESH" on the Maintenance screen, then press the Set key.

```
        * MAINTENANCE *
   INITIALIZE          NO
 ➜ REFRESH
   PASSWORD            ON
   MOTOR POWER         OFF
   FACTORY PRESET      NO
   AUTO ADJUST         OFF1
   DATA BACKUP
   NEXT PAGE
```
Maintenance Setting screen

2. Select "DATE" on the Refresh screen, then press the Set key.

```
        * MAINTENANCE *
   REFRESH
 ➜ DATE               OFF
   TIME             00 : 00
```
Refresh screen (Date)

3. Select day of the week from "OFF," "EVERY," or "SUN – SAT" with the joystick, then press the Set key.

4. Select "TIME" on the Refresh screen, then press the Set key.
   The arrow $(\rightarrow)$ moves to "00 : 00" (factory default).

```
        * MAINTENANCE *
   REFRESH
   DATE               OFF
 ➜ TIME             00 : 00
```
Refresh screen (Time)

(1) Enter the time with Numerical keypad and press the Set key.

(2) Press the Set key again.
    The figures are set and the arrow $(\rightarrow)$ moves to "minutes."

(3) Repeat Step (1), (2) to set the time, then press the Set key.
    Pressing the Set key to set the Refresh function.

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12.3. Password Setting

Set the password to be required when activating Maintenance menu screen. (Factory default password: 1111)

ON: When "ON" is selected, the Password Setting screen will be displayed when displaying the Maintenance screen.
OFF: The selection of "OFF" will establish no password required when entering the Maintenance screen.
SET: Displays the Password setting screen.

1. Select "PASSWORD" on the Maintenance screen, then press the Set key.

2. Select "ON," "OFF," or "SET" with the joystick, then press the Set key.

2-1 When "ON," or "OFF" is selected

    Selecting "ON" or "OFF" terminates Password setting.

2-2 When "SET" is selected

(1) Change the portion pointed by the arrow （↑） with the password figure using the joystick, then press the Set key.
The arrow （↑） moves one place to the right.

(1) Enter 4-digit password, then press the Set key.
Pressing the Set key sets the Password.

```
        *MAINTENANCE*
 INITIALIZE          NO
 REFRESH
➡PASSWORD            ON
 MOTOR POWER         OFF
 FACTORY PRESET      NO
 AUTO ADJUST         OFF1
 DATA BACKUP
 NEXT PAGE

```
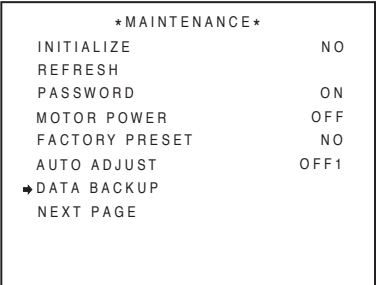Maintenance Setting screen

```



          PASSWORD?
            1 1 1 1
              ↑


```
Password Setting screen

12.4. Motor Power Setting

When the preset camera position frequently deviates from its original position, the symptom may be improved by setting the Motor Power to ON.

Note
Setting Motor Power to ON causes the temperature inside the camera to rise, which could possibly result in a shortened camera life. Since the Motor Power setting is not always effective in improving preset position deviation, it is recommended that this method be used together with the Refresh function. To immediately correct positional deviation, use the initialization function.

1. On the Maintenance screen, select "MOTOR POWER", then press the Set key.

2. Select "ON" or "OFF" with the joystick, then press the Set key.
Pressing the Set key sets Motor Power function.

```
        *MAINTENANCE*
 INITIALIZE          NO
 REFRESH
 PASSWORD            ON
➡MOTOR POWER         OFF
 FACTORY PRESET      NO
 AUTO ADJUST         OFF1
 DATA BACKUP
 NEXT PAGE

```
Maintenance Setting screen

12.5. Return All Settings to Initial Status Set by the Factory

Used to return all settings to initial status set by the factory.

1. On the Maintenance screen, select "FACTORY PRESET", then press the Set key.

2. Select "YES" with the joystick, then press the Set key.
Pressing the Set key starts memory clear, displaying "Memory Clearing" in the screen. Camera Menu screen will be displayed when Memory Clearing has been terminated.

```
        *MAINTENANCE*
INITIALIZE              NO
REFRESH
PASSWORD               ON
MOTOR POWER            OFF
➡FACTORY PRESET        NO
AUTO ADJUST            OFF1
DATA BACKUP
NEXT PAGE
```

Maintenance Setting screen

12.6. Automatic Correction (Auto Adjust)

Positional deviation can be set to be automatically corrected when it occurs. Perform correction when the camera has rotated to some degree of deviation.

OFF1: No automatic correction.
OFF2: Displays a circle (○) indication at the upper center of the screen if positional deviation is detected.
ON1: Automatically corrects positional deviation.
ON2: Displays a circle (○) indication at the upper center of the screen if positional deviation is detected, and deletes the indicator when deviation is corrected.

1. On the Maintenance screen, select "AUTO ADJUST", then press the Set key.

2. Select "OFF1," "OFF2," "ON1," or "ON2" with the joystick, then press the Set key.

```
        *MAINTENANCE*
INITIALIZE              NO
REFRESH
PASSWORD               ON
MOTOR POWER            OFF
FACTORY PRESET         NO
➡AUTO ADJUST           OFF1
DATA BACKUP
NEXT PAGE
```

Maintenance Setting screen

12.7. Data Backup

Setting data can be transferred to or read out from the backup memory. However, data cannot be backed up for Privacy Masking, alarm logs, date, and time.

Note
When setting data has been transferred from the backup memory to the main memory during repair or replacement of equipment, set the preset memory again. Since each camera's basic information is backed up in preset memory, preset positions can deviate if the data is transferred to another camera.

1. On the Maintenance screen, select "DATA BACKUP", then press the Set key.

2. On the Data Backup screen, select the data transmission direction, then press the Set key.

3. Select "YES" with the joystick, then press the Set key.
   Pressing the Set key starts data transfer.

   "Main → Backup": Stores the setting data in the backup memory.
   "Main ← Backup": Reflects the setting data stored in the backup memory to the camera.

```
        *MAINTENANCE*
  INITIALIZE            NO
  REFRESH
  PASSWORD             ON
  MOTOR POWER         OFF
  FACTORY PRESET       NO
  AUTO ADJUST        OFF1
➡ DATA BACKUP
  NEXT PAGE


```
Maintenance Setting screen
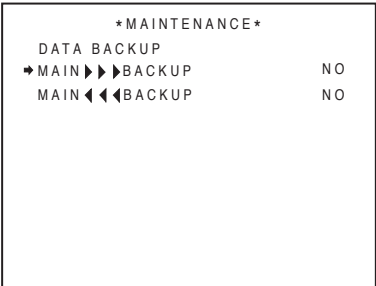
```
        *MAINTENANCE*
  DATA BACKUP
➡ MAIN ▶▶▶ BACKUP      NO
  MAIN ◀◀◀ BACKUP      NO




```
Data backup setting screen

12.8. Motion Detection Settings (C-CC564, C-CC574, C-CC764 and C-CC774 only)

When any movement is detected within the set area, preset positions can be played back, the tour sequence is called up, or the contact opened and closed.

Note
This function is not a dedicated device for prevention of fire, etc. TOA takes no responsibility for any incidental loss or accidents. While the motion detection function is operating, certain other functions (slow shutter, day & night, Privacy Masking) cannot be used.

12.8.1. Detection area setting

Set locations for motion detection sensors.

1. On the Maintenance screen, select "MOTION DETECTION", then press the Set key.

2. Select "1POS," "2POS," "254POS," or "255POS" with the joystick, then press the Set key.

3. On the Motion Detect Setting screen, select "FUNCTION", then press the Set key.

4. Select "ON" with the joystick, then press the Set key.

5. On the Motion Detection Area Setting screen, select the area number to be detected, then press the Set key.

6. Select "OFF," "ON – L," "ON – M," or "ON – H", with the joystick, then press the Set key.

   OFF:　　No movement detected.
   ON – L:　Detects movement at low sensitivity.
   ON – M:　Detects movement at intermediate sensitivity.
   ON –H:　Detects movement at high sensitivity.

7. If the detection area (a semi-transparent, blue rectangle) is displayed, select the desired detection area with the joystick, then press the Set key. The detection area is then set.

8. Select "CHECK" under area number selection conditions, then press the Set key.
   The area number is displayed in the set area.
   Conduct the test to see if the set area can be detected as intended. If detected, a semi-transparent, blue rectangle is displayed in the detection area.

9. Press the Set key.
   A transparent, blue rectangle is displayed to indicate that the setting has been confirmed.
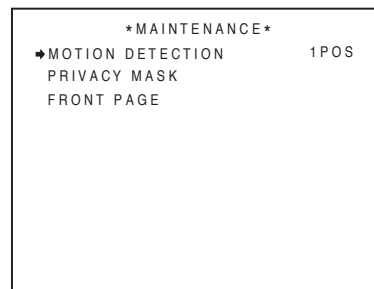
```
       *MAINTENANCE*
➡MOTION DETECTION        1POS
 PRIVACY MASK
 FRONT PAGE
```
Maintenance setting screen

```
     *MOTION DETECTION*
 POS  1
➡FUNCTION                OFF
 ACTION
```
Motion detection setting screen
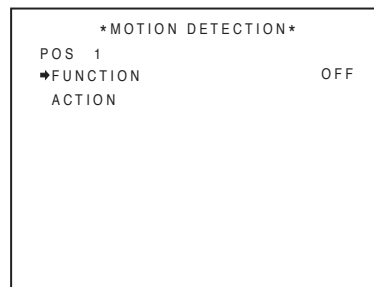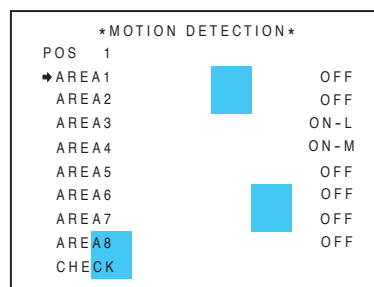
```
     *MOTION DETECTION*
 POS   1
➡AREA1          ▮         OFF
 AREA2          ▮         OFF
 AREA3                    ON-L
 AREA4                    ON-M
 AREA5                    OFF
 AREA6              ▮     OFF
 AREA7              ▮     OFF
 AREA8                    OFF
 CHECK
```
Motion detection area setting screen

12.8.2. Action setting

Set operations that will take place when sensors are activated.

1. On the Maintenance screen, select "MOTION DETECTION", then press the Set key.

2. Select "1POS," "2POS," "254POS," or "255POS" with the joystick, then press the Set key.

3. On the Motion Detection Setting screen, select "ACTION", then press the Set key.

4. On the Motion Detection Action Setting screen, select the area number to be set, then press the Set key.

5. Select "OFF," "***POS," "AUX1 ON," "AUX1 OFF," "AUX2 ON," "AUX2 OFF," "TOUR1 – 16," "TRACE1," "TRACE2," or "ALARM1 – 8" with the joystick, then press the Set key.

OFF:	No operation.
***POS:	Presets to the designated position.
TOUR1 – 16:	Activates the selected camera's Tour sequence.
TRACE1, TRACE2:	Activates selected trace functions.
AUX1 ON, AUX1 OFF:	Performs specified operations at specified contact numbers.
AUX2 ON, AUX2 OFF:	Performs specified operations at specified contact numbers.
ALARM1 – 8:	Activates the alarm and performs the same operation as when an alarm signal is received at the specified alarm number.

Note
Avoid specifying the level in the "Time" settings of the set alarm number.

5-1 When selecting function other than"***POS"
Selecting function other than "***POS" terminates the Action designation.

5-2 When selecting "***POS"
(1) Designate the position number, then press the Set key.
(2) Pressing the Set key terminates Action settings.

Note
AUX2 : C-CC564 and C-CC574 only
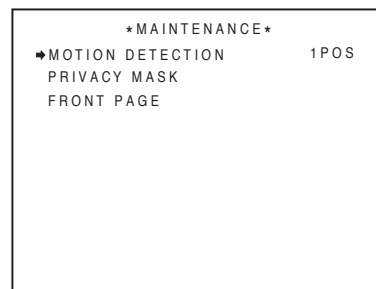
```
        *MAINTENANCE*
➡MOTION DETECTION        1POS
 PRIVACY MASK
 FRONT PAGE
```
Maintenance setting screen

```
      *MOTION DETECTION*
 POS  1
   FUNCTION              OFF
➡ACTION
```
Motion detection setting screen

```
      *MOTION DETECTION*
 POS   1
➡AREA1          ▮      OFF
 AREA2                 OFF
 AREA3                 AUX1 ON
 AREA4                 ALARM2
 AREA5                 OFF
 AREA6          ▮      OFF
 AREA7                 OFF
 AREA8                 OFF
 CHECK
```
Motion detection area setting screen

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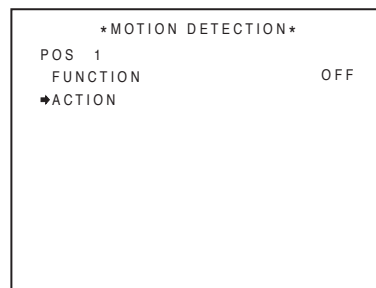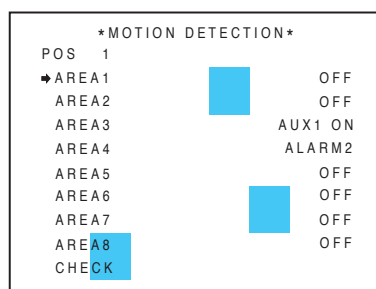
## 12.9. Privacy Masking Settings (C-CC564, C-CC574, C-CC764 and C-CC774 only)

When there are locations that are required to be kept out of view in a camera scene, up to 8 of such locations can be masked out of view.

Notes
· Setting Privacy Masking to ON automatically disables the Auto-Flip function. Up to 2 areas can be masked on the same screen when the C-CC564 or C-CC764 camera is used, and up to 4 areas can be masked for the C-CC574 or C-CC774 cameras. Depending on the masked area and its size, the number of masking areas that can be set decreases.
· It is recommended that the Privacy Masking function be used in conjunction with the Preset Freeze function.

12.9.1. Setting the Privacy Masking

1. On the Maintenance screen, select "PRIVACY MASK", then press the Set key.

```
        *MAINTENANCE*
  MOTION DETECTION      1POS
 ➡PRIVACY MASK
  FRONT PAGE
```
Maintenance setting screen
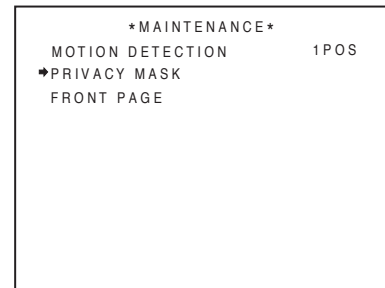
2. On the Privacy Masking Setting screen, select "SET", then press the Set key.
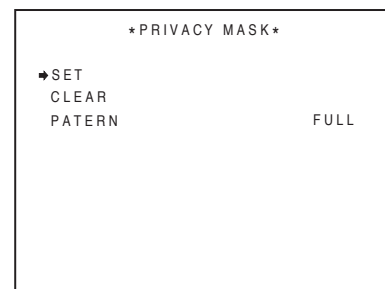
```
        *PRIVACY MASK*

 ➡SET
  CLEAR
  PATERN              FULL
```
Privacy masking setting screen

3. On the Privacy Masking Setting screen, select the number, then press the Set key.
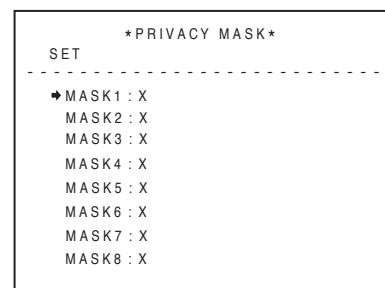
```
          *PRIVACY MASK*
   SET
 - - - - - - - - - - - - - - - - - - - - -
  ➡MASK1 : X
   MASK2 : X
   MASK3 : X
   MASK4 : X
   MASK5 : X
   MASK6 : X
   MASK7 : X
   MASK8 : X
```
Privacy masking set screen

4. Tilt the joystick left or right to determine the central position of the horizontal view angle, then press the Set key. The camera's zoom is set to the maximum wide angle, displaying the screen being set. The masking area can be set in the vicinity of a rectangle situated in the center of the screen.

Example
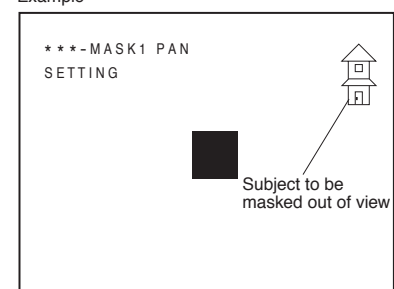
```
 ***-MASK1 PAN
 SETTING

              Subject to be
              masked out of view
```
Now setting screen

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5. Tilt the joystick upward or downward to determine the central position of the vertical views angle, then press the Set key.

```
* * * - M A S K 1  P A N
S E T T I N G
```
Object that the masking is required.
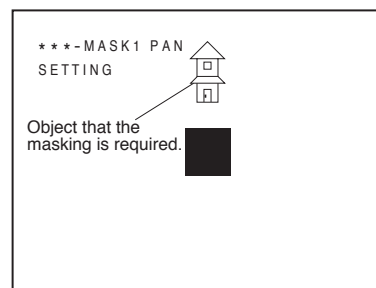
6. Tilt the joystick upward or downward to move the vertical masking position, then press the Set key.

```
* * * - M A S K 1  T I L T
S E T T I N G
```
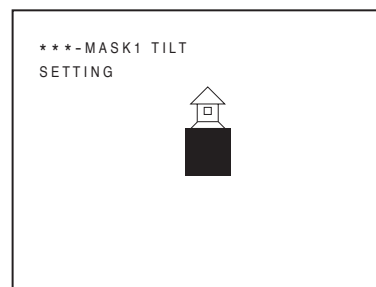
7. Tilt the joystick left or right to change the horizontal masking size, then press the Set key.

```
* * * - M A S K 1  H  S I Z E
S E T T I N G
```
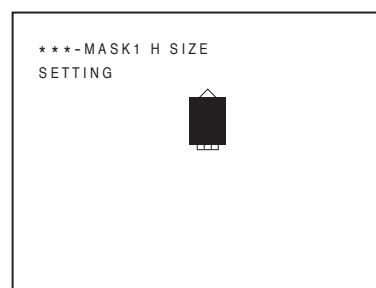
8. Tilt the joystick upward or downward to change the vertical masking size, then press the Set key. The masking position and its size are determined.

```
* * * - M A S K 1  V  S I Z E
S E T T I N G
```
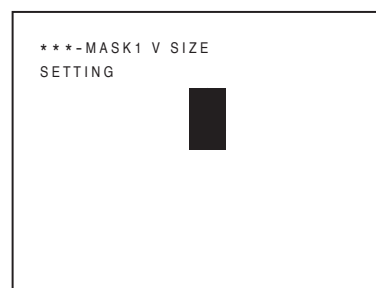
Note
The masking movement may not be able to follow the camera's distant rotation, allowing the masked portion to only be viewed momentarily.
Therefore, set the masking size larger than needed whenever possible.

Note
The Privacy Masking function cannot be used when the camera's vertical direction is between –45°and –185°.

5°   –185°

The range that the Privacy Masking function can be set.
–45°
Lens
–90°

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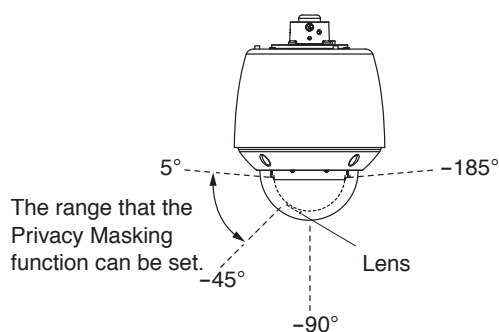
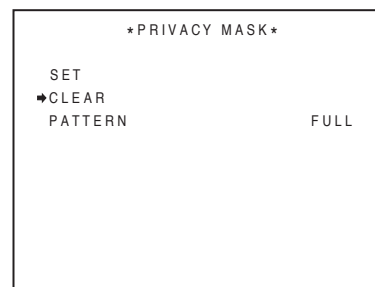**12.9.2. Clearing the Privacy Masking**

1. On the Maintenance screen, select "PRIVACY MASK", then press the Set key.

```
        *MAINTENANCE*
 MOTION DETECTION        1POS
➡PRIVACY MASK
 FRONT PAGE
```
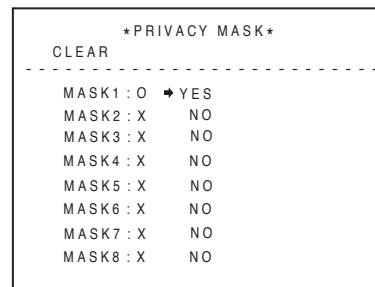Maintenance setting screen
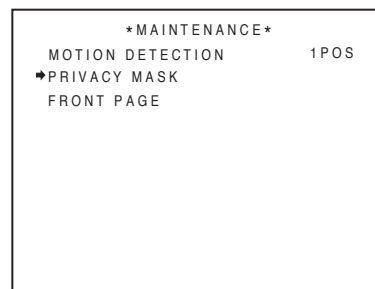
2. On the Privacy Masking Setting screen, select "CLEAR", then press the Set key.

```
        *PRIVACY MASK*

 SET
➡CLEAR
 PATTERN                FULL
```
Privacy masking setting screen

3. On the Privacy Masking Clearing screen, select the Mask number to be cleared, then press the Set key.

4. On the Privacy Masking Clearing screen, select "YES", then press the Set key.
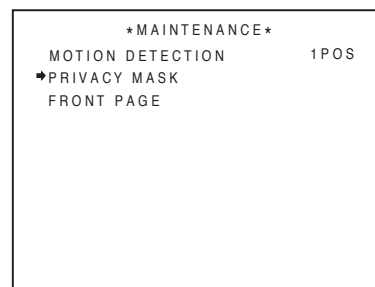Pressing the Set key clears Privacy Masking settings.

```
        *PRIVACY MASK*
 CLEAR
- - - - - - - - - - - - - - - - - - - - - - -
 MASK1:O  ➡YES
 MASK2:X    NO
 MASK3:X    NO
 MASK4:X    NO
 MASK5:X    NO
 MASK6:X    NO
 MASK7:X    NO
 MASK8:X    NO
```
Privacy masking clearing screen

12.9.3. Changing the masking patterns

Two different patterns are available: One is a Full pattern that completely hides the masked area and the other is a Half pattern that makes it semi-transparent.

1. On the Maintenance screen, select "PRIVACY MASK", then press the Set key.

```
        *MAINTENANCE*
 MOTION DETECTION        1POS
➡PRIVACY MASK
 FRONT PAGE
```
Maintenance setting screen

2. On the Privacy Masking Setting screen, select "PATTERN", then press the Set key.

3. Select the pattern from "FULL" and "HALF" with the joystick, then press the Set key.
Pressing the Set key sets masking patterns.

```
        *PRIVACY MASK*

 SET
 CLEAR
➡PATTERN                FULL
```
Privacy masking setting screen

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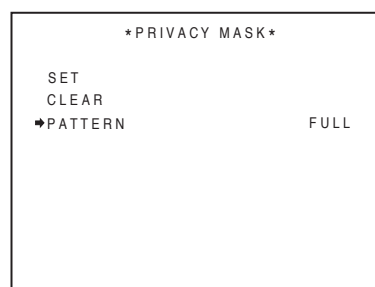
# 13. CHANGING THE CAMERA SETTINGS FOR ARBITRARY POSITIONS

It is possible to change the following camera characteristics for individual camera positions.

Notes

- Individual settings for picture quality (white balance, backlight compensation, brightness, day & night, shutter speed, AGC, slow shutter, enhancer, and color depth) can be changed by using the Scene function (p. 81).
- The ID display position can be changed by using the Pattern function (p. 81).
- Even if factory-preset settings for individual cameras are changed, the camera setting screen's settings contents (setting values) for each camera position do not change.
- Preset memory (p. 11) can be called up from this setting screen.

13.1. Entering the Camera Setting Screen for Individual Camera Positions

1. On the Camera Menu screen, select "CAMERA SETTING" with the joystick, then press the Set key.
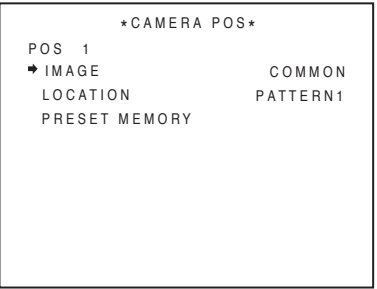   The arrow (→) moves to "CAM."
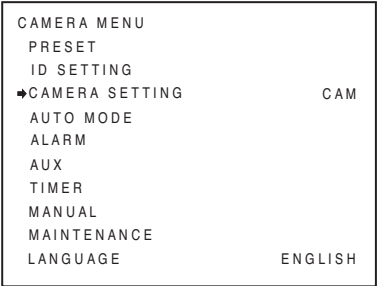
2. Select "∗∗∗POS" with the joystick, press the Set key.

3. Enter the position number with Numerical keypad, then press the Set key.
   "∗∗∗" portion turns the figures entered.

4. Press the Set key.
   Pressing Set key displays the Camera Setting screen for individual position.

   Note
   Position number is displayed on the Camera Settings screen for individual position's "∗∗∗" portion.

5. Perform each item setting. (p. 81)

```
CAMERA MENU
 PRESET
 ID SETTING
➡CAMERA SETTING          CAM
 AUTO MODE
 ALARM
 AUX
 TIMER
 MANUAL
 MAINTENANCE
 LANGUAGE             ENGLISH
```
Camera menu screen

```
 CAMERA SETTING      ➡∗∗∗POS
```

```
      ∗CAMERA POS∗
 POS  1
➡ IMAGE              COMMON
  LOCATION           PATTERN1
  PRESET MEMORY
```
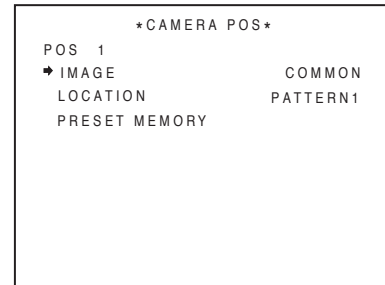Camera Setting screen for individual position

13.2. Changing Position Picture Quality and ID Display Positions

13.2.1. Changing arbitrary position picture quality using the scene function

Such picture quality settings as white balance, backlight compensation, brightness, day & night, shutter speed, AGC, slow shutter, enhancer, and chroma can be preset and stored for up to 10 different scenes (1–10). Picture quality can be changed by selecting one of the preset 10 scenes at each individual position.

1. On the Camera Setting screen for individual position, select "IMAGE" with the joystick, then press the Set key.

2. Select "COMMON" or "SCENE1 – 10" with the joystick, then press the Set key.

```
          * C A M E R A   P O S *
 P O S   1
 ➡ I M A G E                  C O M M O N
   L O C A T I O N            P A T T E R N 1
   P R E S E T   M E M O R Y
```
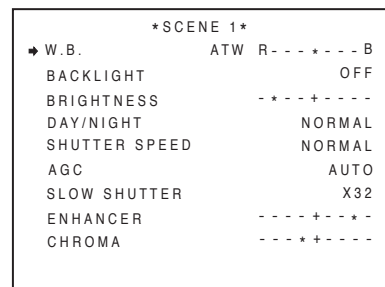
Camera Setting screen for individual position

3. Select the item to be changed with the joystick, then press the Set key.

   Note
   Setting procedures and option contents are the same as those of "Camera Settings."

```
             * S C E N E   1 *
 ➡ W . B .             A T W   R - - - * - - - B
   B A C K L I G H T                     O F F
   B R I G H T N E S S           - * - - + - - - -
   D A Y / N I G H T                  N O R M A L
   S H U T T E R   S P E E D          N O R M A L
   A G C                                 A U T O
   S L O W   S H U T T E R                 X 3 2
   E N H A N C E R             - - - - + - - * -
   C H R O M A                - - - * + - - - -
```
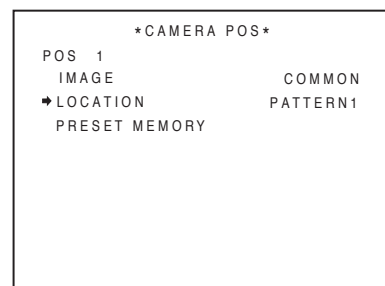
Scene setting screen

13.2.2. Changing the ID display position for arbitrary camera position using the pattern function

All ID display positions can be preset and stored in 10 different patterns (1–10). All ID display positions can be changed by selecting one of the 10 patterns at each individual position.

1. On the Camera Setting screen for individual position, select "LOCATION" with the joystick, then press the Set key.

2. Select "COMMON" or "PATTERN1 – 10" with the joystick, then press the Set key.

```
          * C A M E R A   P O S *
 P O S   1
   I M A G E                  C O M M O N
 ➡ L O C A T I O N            P A T T E R N 1
   P R E S E T   M E M O R Y
```
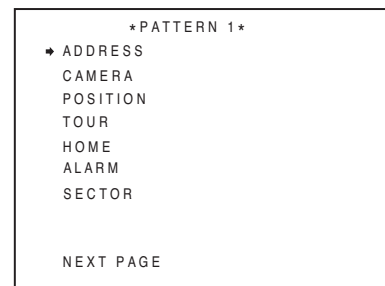
Camera Setting screen for individual position

3. Select the item to be changed with the joystick, then press the Set key.

   Note
   Setting procedures and option contents are the same as those of "Camera Settings."

```
             * P A T T E R N   1 *
 ➡ A D D R E S S
   C A M E R A
   P O S I T I O N
   T O U R
   H O M E
   A L A R M
   S E C T O R


   N E X T   P A G E
```

Pattern setting screen