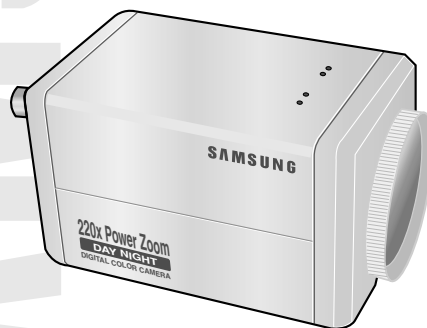




220X POWER ZOOM WDR CAMERA

**SCC-C4205(P)/C4305(P)**

|                      |    |
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Part : AB68-00509B(02)  
Printed in China

\* Be sure to read the "Safety Precautions" in this manual to ensure correct use and operation of this product.

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other.  
A grounding type plug has two blades and a third grounding prong.  
The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.



13. Unplug this apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Safety Precautions

The purpose of safety precautions is to prevent accidental injury or property damage. Always observe all safety precautions.

❖ The precautions are divided into "Warnings" and "Cautions" as distinguished below:

|  |     |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Warning</b><br>Ignoring this precaution may result in death or serious injury. | <b>Caution</b><br>Ignoring this precaution may result in injury or damage to property. |



### Warnings

1. Be sure to use only the standard adapter which is specified in the specification sheet.  
Using any other adapter could cause fire, electrical shock, or damage to the product.
2. Check the external connection terminals first before connecting the power source and signal wires.  
Connect the alarm signal wires to the alarm terminals.  
Connect the DC12V power adapter to the SCC-C4205(P) power input, making sure that the current polarity is observed.  
Connect the DC12V or AC24V power adapter to the SCC-C4305(P) power input.
3. Do not connect multiple cameras to a single adapter.  
(Exceeding the capacity may cause abnormal heat generation or fire.)

4. Securely plug the power cord into the power receptacle.  
(A loose connection may result in fire.)
5. When mounting the camera on a wall or ceiling, fasten it safely and securely. (A falling camera may cause personal injury.)
6. Do not place conductive objects (e.g., screwdrivers, coins, and metal things) or containers filled with water on top of the camera.  
(Serious injury may result from fire, electrical shock, or falling objects.)
7. Do not install the unit in humid, dusty, or sooty locations.  
(Doing so may cause fire or electrical shock.)
8. If any unusual smells or smoke come from the unit, stop using the product. In such case, immediately disconnect the power source and contact the service center.  
(Continued use in such a condition may cause fire or electrical shock.)
9. If this product fails to operate normally, contact the store of purchase or your nearest service center. Never disassemble or modify this product in any way.  
(Problems caused by unauthorized user disassembly or repairs are not covered by your warranty.)
10. When cleaning, do not spray water directly onto parts of the product. (Doing so may cause fire or electrical shock.) Gently wipe the surface with a dry cloth. Never use detergents or chemical cleaners on the product, as this may result in discoloration of surface or cause damage to the finish.



## Cautions

1. Do not drop objects on the product or apply strong shock to it. Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature, low temperature, or high humidity. (Doing so may cause fire or electrical shock.)
3. Avoid a location which is exposed to direct sunlight, or near heat sources such as heaters or radiators.  
(Neglecting to do so may result in a risk of fire.)
4. If you want to relocate the already installed product, be sure to turn off the power before moving or reinstalling it.
5. Install in a well-ventilated location.
6. Remove the power plug from the outlet when there is a lightning storm. (Neglecting to do so may cause fire or damage to the product.)

E

## FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### Note:

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.



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# 1 Overview

This is a state-of-art WDR zoom camera which employed the x22 zoom lens and digital zoom IC to monitor up to 22 times as large as an original image.

SCC-C4205(P)/C4305(P) has the following functions.

- WDR for distinct photographing of both bright and dark parts of an image.
- COLOR/BW to raise the sensitivity by automatic conversion into the White & Black mode at night or in poor illumination environment.
- Low - Light Surveillance function that enables image capture even under extremely low light conditions.
- White Balance function that provides accurate color rendition under any light conditions.
- BLC function that enables effective back light compensation even under a spotlight or a very bright incident light.
- Auto Focus function that automatically tracks and focuses on the moving subject.
- Privacy Zone function to hide a special area for privacy protection.
- RS485/ Wired remote control function.

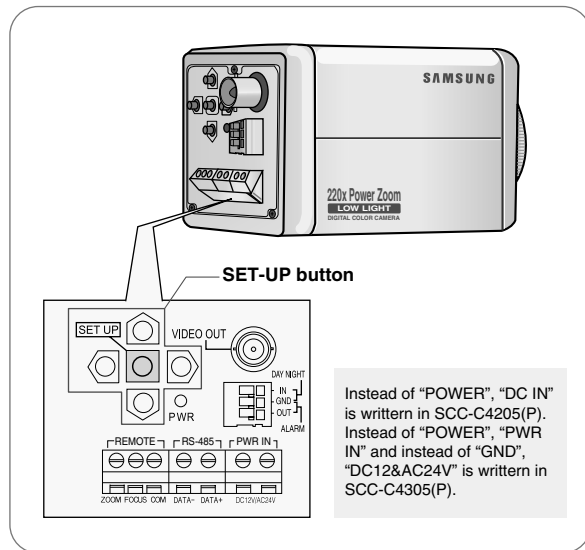
## Broadcast System

- SCC-C4205/4305 : NTSC System
- SCC-C4205P/4305P : PAL System

## Power System/Power Consumption

- SCC-C4205(P): DC 12V/5.7W
- SCC-C4305(P): AC 24V, DC 12V/6W

# 2 Part Names and Functions



## SET-UP button

The function of the SET-UP button varies depending on whether you are currently in Normal Operation mode (i.e., the Setup Menu is not displayed) or Setup Menu mode.

### ✓ In Normal Operation Mode

- UP/ DOWN buttons : Use as the ZOOM Tele button and the ZOOM Wide button respectively.
- LEFT/ RIGHT buttons : Use as the FOCUS Near button and the FOCUS Far button respectively.
- SET- UP button: Use to enter the Setup Menu. Hold the SET- UP button for longer than 3 seconds to enter the Setup Menu.

## ✓ In Setup Menu Mode

-  - UP/ DOWN buttons: Use to move the cursor up or down.
-  - LEFT/ RIGHT buttons: Use to move the cursor left or right, or to sequentially view the values that can be assigned to a parameter.
-  - ENTER button: Use to select a Sub Menu item, and to accept the current value.

## ZOOM/ FOCUS REMOTE terminals

This port is used for ZOOM/FOCUS, MENU CONTROL, HOME RETURN, and AF by using an external controller. Depending on the input condition, 4 modes, A, B, C, and D are available. (SPECIAL - CTRL TYPE)  
(Operation Voltage Range : +3V~+13V, -3V~-13V)

1) When the voltage is supplied to either ZOOM or FOCUS port,

| Function<br>Code | TELE(Up)  | WIDE(Down) | NEAR(Left) | FAR(Right) |
|------------------|-----------|------------|------------|------------|
|                  | ZOOM Port |            | FOCUS Port |            |
| A                | -6V       | +6V        | -6V        | +6V        |
| B                | -6V       | +6V        | +6V        | -6V        |
| C                | +6V       | -6V        | -6V        | +6V        |
| D                | +6V       | -6V        | +6V        | -6V        |

❖ 1: During MENU OFF, controls ZOOM/FOCUS and during MENU ON, changes the direction, Up, Down, Left, and Right.

2) When the voltage is supplied to both ports

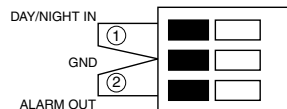
| Function<br>Code | ENTER/AF ❖ 2 |            | HOME RETURN ❖ 3 |            |
|------------------|--------------|------------|-----------------|------------|
|                  | ZOOM Port    | FOCUS Port | ZOOM Port       | FOCUS Port |
| A                | -6V          | -6V        | +6V             | +6V        |
| B                | -6V          | +6V        | +6V             | -6V        |
| C                | +6V          | -6V        | -6V             | +6V        |
| D                | +6V          | +6V        | -6V             | -6V        |

❖ 2: For short voltage supply during MENU OFF, executes AF and for more than 2 second

❖ 3: For more than 2 second long voltage supply, moves to the PRESET 0(HOME) position.

## DAY/NIGHT External Signal Input & Alarm Signal Output

This is a function to receive the external DAY/NIGHT signal from the sensor(option) and convert the signal into BW. An alarm signal is output from this terminal when the MOTION DET mode is activated or BW mode is activated.



Connect an external sensor to the DAY/NIGHT terminal as shown in ① then connect any external device such as a buzzer or lamp to the ALARM terminal as shown in ②. The ALARM output terminal is an open collector with the following capacity: DC 16V and 100mA.

OFF : Open contact

ON : Below 100mA

The DAY/NIGHT input terminal has the input of DC 5V pull-up and over 0.2mA.

OFF : Open contact

ON : Closed contact

## VIDEO OUT terminal

Connect the monitor's VIDEO IN. The video signal from the camera is transmitted to the monitor via this terminal.

## RS485 terminal

RS485 remote control terminal.

## Power LED

Lights when power is on.

## POWER IN terminal

Plug in the power adapter here.

# 3 Installation

## Before Installation

### Checking the Package Contents

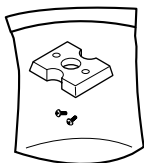
Make sure that the following accessories are included in the package.



SCC-C4205(P)/4305(P)



User's Guide



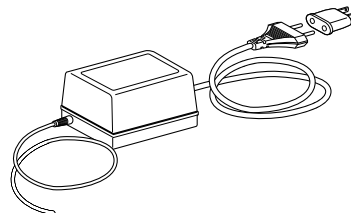
Mount Adapter  
Screw (2)  
Terminal Block

## Preparing the Cables

To install and use the camera, first prepare the following cables.

The requirements for the power adapter, which connects to the camera's POWER IN terminal, are as follows:

- SCC-C4205(P) : DC12V 600mA
- SCC-C4305(P) : AC24V 300mA  
DC12V 600mA



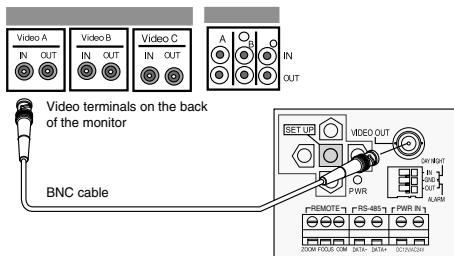
### Video Cable

Use a BNC cable, such as the one shown below, to connect the camera's VIDEO OUT to the monitor.

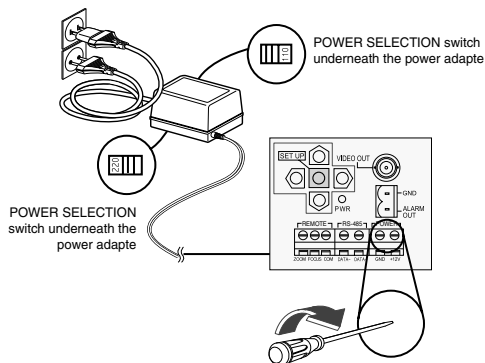


## Connecting the Cables

1. Connect one end of the BNC cable to the VIDEO OUT.
2. Connect the other end of the BNC cable to the VIDEO IN of the monitor.



3. Plug in the power adapter. Use a "minus" screwdriver to connect one part of the power adapter, which consists of two lines, to the POWER terminal of the camera as follows :



4. Determine the type of power supply and set the POWER SELECTION switch accordingly. Next, plug the power adapter into a wall outlet.

The requirements for the power adapter for each model are as follows:

- SCC-C4205(P) : DC12V 600mA
- SCC-C4305(P) : AC24V 300mA  
DC12V 600mA

5. If the camera operates normally, the following screen will be displayed for 5 seconds and then disappears.

|           |              |
|-----------|--------------|
| PROTOCOL  | SAMSUNG      |
| ADDRESS   | 0            |
| TYPE      | RS-485, HALF |
| BAUD RATE | 9600         |
| LENS      | OK           |
| EEP VER   | 1.0          |
| ROM VER   | 1.0          |

6. The requirements for RS485 control is as follows :

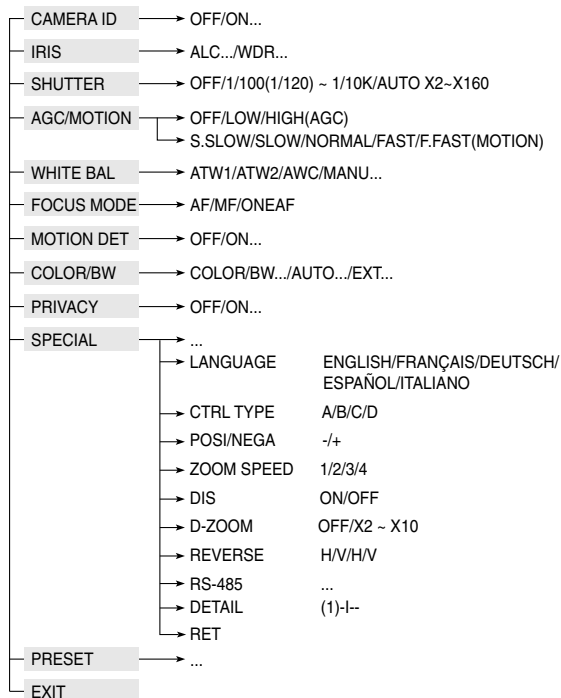
- Signaling Speed: 9600 bps
- Data Bit : 8 bits
- Stop Bit : 1 bit
- Parity Bit : none

# 4 Navigating the Setup Menu

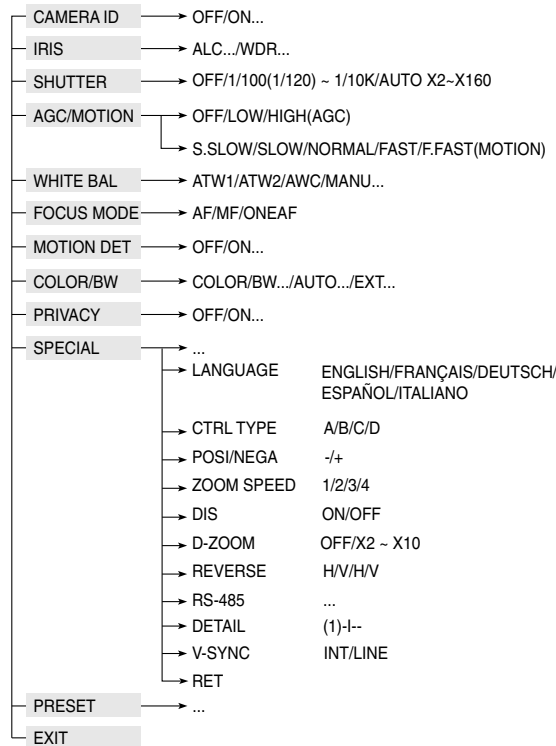
In this chapter, we will take a look at the menu system of the SCC-C4205(P), C4305(P). First, we will take a look at the structure of the Setup Menu and then describe the functions of each menu item in the menu.

## Structure of the Setup Menu

### • Structure of the Setup Menu of the SCC-C4205(P)

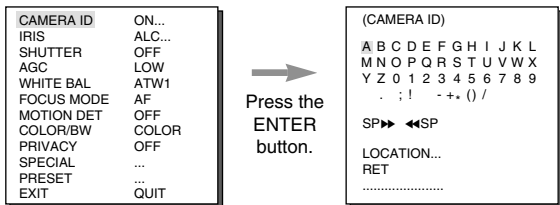


### • Structure of the Setup Menu of the SCC-C4305(P)



## CAMERA ID

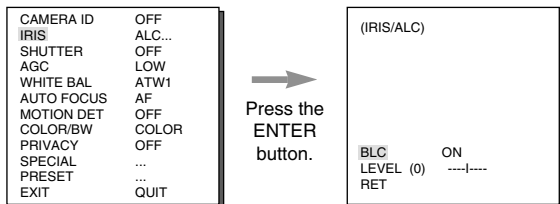
In the CAMERA ID menu, you may designate the CAMERA ID to be displayed in the monitor connected to a camera. Set the CAMERA ID menu to ON... and press [ENTER] and the CAMERA ID setup submenu will appear. The CAMERA ID may be created by up to 20 digits by using alphabets, numbers, and some special texts served by the submenu screen. You may locate the designated CAMERA ID on your own by using the LOCATION... submenu.



## IRIS

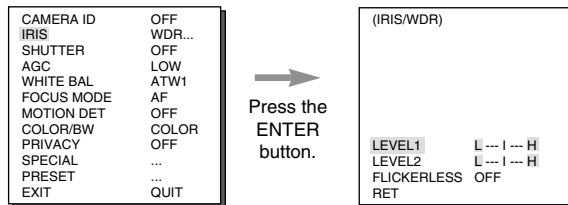
### ALC

Select ALC... from the IRIS menu and press [ENTER] and the BLC(Back Light Compensation) setup submenu will appear. If you use a general camera to photograph a subject under backlight or bright illumination, the subject will be shown dark on the monitor due to the backlight. BLC(Back Light Compensation) is used to prevent such a backlight problem to secure distinct images under bright illumination. Use ← and → in the LEVEL menu to control the video output level(brightness).



### WDR

WDR(Wide Dynamic Range) enlarges the advantage of a screen, mostly effective photographing both indoor and outdoor subjects simultaneously. In short, both subjects can be distinctly revived. Select WDR... and press [ENTER] to set up WDR LEVEL and FLICKERLESS.



- LEVEL 1 : Controls the shutter speed while WDR operates.
- LEVEL 2 : Controls the whole brightness while WDR operates.
- FLIKERLESS : This is for preventing flicker on the screen when NTSC system is used in 50HZ power supply region and PAL system is used in 60HZ power supply region. That is to prevent shaking on the screen resulted from the discordance of the vertical sync frequency and the flicker frequency of the illumination. While this menu is ON, the electronic shutter is fixed to 1/100sec (NTSC) or 1/120 sec (PAL).

## SHUTTER

In the SHUTTER menu, you may determine the fast electronic shutter speed or slow AUTO shutter speed. The fast electronic shutter supports 7 speeds from 1/100(1/120) sec. to 1/10K sec. to photograph a bright and quick moving image. The slow AUTO shutter supports about 10 speed from x2 to x160 to make an image projected to the screen more distinct and brighter by selecting the slow shutter speed. If you want the camera to sense the brightness and adjust the shutter speed accordingly, select a menu commencing with Slow AUTO Shutter. When SHUTTER is set to AUTO, AGC will be replaced with MOTION.

|            |        |
|------------|--------|
| CAMERA ID  | OFF    |
| IRIS       | ALC... |
| SHUTTER    | OFF    |
| AGC        | LOW    |
| WHITE BAL  | ATW1   |
| FOCUS MODE | AF     |
| MOTION DET | OFF    |
| COLOR/BW   | COLOR  |
| PRIVACY    | OFF    |
| SPECIAL    | ...    |
| PRESET     | ...    |
| EXIT       | QUIT   |

If you keep pressing ← and → in the SHUTTER menu, the speed will change in the following sequence.

→ OFF → AUTOX2 → AUTOX4 → AUTOX6 → AUTOX8 →  
 AUTOX12 → AUTOX16 → AUTOX20 → AUTOX40 → AUTOX80  
 → AUTOX160 → OFF → 1/100(120) → 1/250 → 1/500 → 1/1000  
 → 1/2000 → 1/4000 → 1/10K → OFF →

❖ When the IRIS mode is set to WDR, only the following modes are available.

→ OFF → AUTOX2 → AUTOX4 → AUTOX6 → AUTOX8 →  
 AUTOX12 → AUTOX16 → AUTOX20 → AUTOX40 → AUTOX80  
 → AUTOX160 → OFF →

## AGC/MOTION

In the AGC (Automatic Gain Control) option, you can specify whether to automatically control the GAIN when the obtained video is below a certain level of brightness because it was recorded under insufficient lighting. To automatically control the GAIN, set the AGC option to LOW or HIGH. Otherwise, set it to OFF. If the you set the AGC option to LOW, the maximum GAIN of the AGC will be set to low, and if set to HIGH, the maximum GAIN will be set to high.

If the SHUTTER option is set to an auto low-speed, the AGC option will change to the MOTION option. In the MOTION option, use the LEFT and RIGHT buttons to select from S.S, SLOW, NORMAL, FAST, and F.F.

|            |        |
|------------|--------|
| CAMERA ID  | ON...  |
| IRIS       | ALC... |
| SHUTTER    | OFF    |
| AGC        | LOW    |
| WHITE BAL  | ATW1   |
| FOCUS MODE | AF     |
| MOTION DET | OFF    |
| COLOR/BW   | COLOR  |
| PRIVACY    | OFF    |
| SPECIAL    | ...    |
| PRESET     | ...    |
| EXIT       | QUIT   |

<AGC>

|            |        |
|------------|--------|
| CAMERA ID  | ON...  |
| IRIS       | ALC... |
| SHUTTER    | AUTOX2 |
| MOTION     | S.SLOW |
| WHITE BAL  | ATW1   |
| FOCUS MODE | AF     |
| MOTION DET | OFF    |
| COLOR/BW   | COLOR  |
| PRIVACY    | OFF    |
| SPECIAL    | ...    |
| PRESET     | ...    |
| EXIT       | QUIT   |

<MOTION>

## WHITE BAL

You can select one of four modes for white balance adjustment as follows:

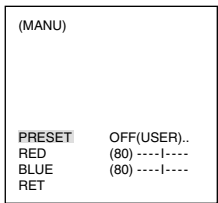
- ATW1/ATW2(Auto-Tracing White Balance Mode): In these modes, the color temperature is monitored continuously and thereby white balance is set automatically. The following are the approximate supported color temperature ranges in these modes.

ATW1 : 2500K ~ 9300K(\*1)

ATW2 : 2000K ~ 10000K(Mode recommended for sodium lighting)(\*2)

- \* 1. If the color temperature is out of this range in ATW1 mode, proper white balance may not be obtained. In that case, select ATW2 mode.
- \* 2. In ATW2 mode, if one color is dominated in the shooted area, the color can be displayed differently. Therefore, select the mode which is appropriate for the environment.
- AWC(Auto-Tracing White Balance Control): In this mode, accurate white balance is obtained by pressing [ENTER] while having a white paper in front of the camera. White Balance data will be maintained after set it once. AWC mode is best in locations where the color temperature of light source is constant.
- MANU : If WHITE BAL menu is set to MANU mode, the user can set the white Balance considering the current illumination. Select MANU item and press [ENTER], the sub screen where you can select Manual White Balance will be shown. Use the left/right keys to select 3200K, 5600K or OFF(USER) mode in the PRESET menu.

- ✓ 3200K : Set color temperature to 3200K
- ✓ 5600K : Set color temperature to 5600K
- ✓ USER : Choose out a proper value from the RED and BLUE graph for color and temperature setup.



## FOCUS MODE

The FOCUS MODE menu performs AF(Auto Focus), MF(Manual Focus), and ONEAF(One Auto Focus).

- ✓ **AF** : Focuses automatically by continuously monitoring the screen in AUTO FOCUS mode. It does not process the FOCUS button input because it focuses automatically during ZOOM.
- ✓ **MF** : You can manually adjust the focus.
- ✓ **ONEAF** : Focuses about 5 seconds only when ZOOM is moved Wide to Tele. It is same as MF mode while in STOP mode, and same as AF mode after ZOOM Tele.

|                   |           |
|-------------------|-----------|
| CAMERA ID         | OFF       |
| IRIS              | ALC...    |
| SHUTTER           | OFF       |
| AGC               | LOW       |
| WHITE BAL         | ATW1      |
| <b>FOCUS MODE</b> | <b>AF</b> |
| MOTION DET        | OFF       |
| COLOR/BW          | COLOR     |
| PRIVACY           | OFF       |
| SPECIAL           | ...       |
| PRESET            | ...       |
| EXIT              | QUIT      |

## MOTION DET

MOTION DET detects any motion. Set up this function during no human movement to detect break-in. Once detected, an ALARM signal will be given for 5 seconds. As MOTION DET detects any motion, so it can set up the motion detection sensitivity. Select ON... and press [ENTER] and the MOTION DET submenu screen will appear.

|            |        |
|------------|--------|
| CAMERA ID  | OFF    |
| IRIS       | ALC... |
| SHUTTER    | OFF    |
| AGC        | LOW    |
| WHITE BAL  | ATW1   |
| FOCUS MODE | AF     |
| MOTION DET | ON...  |
| COLOR/BW   | COLOR  |
| PRIVACY    | ---    |
| SPECIAL    | ---    |
| PRESET     | ---    |
| EXIT       | QUIT   |



Press the  
ENTER  
button.

|              |           |
|--------------|-----------|
| (MOTION DET) |           |
| AREA         | PRESET... |
| SENSITIVITY  | L---I---H |
| RET          |           |

If you select ON and press the ENTER button, the MOTION DET screen will come up. You can set the AREA to which the Motion Detection function will be applied to either PRESET or USER. If you set the AREA option to PRESET, the Motion Detection function will be applied to the areas preset as factory defaults. If you set the AREA option to USER and press the ENTER button, you can change the area size and position and select the area where you want to apply the Motion Detection function. You can specify the size of the area by using the UP, DOWN, LEFT, and RIGHT buttons. If the area is not flashing, press the ENTER button. When the area starts flashing, use the UP, DOWN, LEFT and RIGHT buttons to specify the location of the area. Use the ENTER button and the UP, DOWN, LEFT, and RIGHT buttons to specify the size of the area and to position the area. Press the ENTER button again to exit the AREA setting menu. You can use the SENSITIVITY option to set the motion detection sensitivity. The higher the setting, the more sensitive the motion detection.

|              |           |
|--------------|-----------|
| (MOTION DET) |           |
| AREA         | USER...   |
| SENSITIVITY  | L---I---H |
| RET          |           |



Press the  
ENTER  
button.

|          |  |
|----------|--|
| SIZE     |  |
|          |  |
| LOCATION |  |

## ■ COLOR / BW

COLOR/BW turns IR(Infrared) Filter on or off. In the poor illumination environment, turns IR Filter off to raise the sensitivity to the same level as an black-and-white camera while in the good illumination environment, turns it on to convert to the COLOR mode in the normal screen condition to lower the sensitivity.

### ✓ COLOR

This is the IR Filter ON mode with a normal color screen.

### ✓ BW...

This is the IR Filter OFF mode, black-and-white (with the same sensitivity as a black-and-white camera). Select BW... and press [Enter] and the BW submenu will appear. You may determine to sent out BURST signals by ON or OFF setting in this submenu.

❖ WHITE BAL will be marked --- so that setup is unavailable.

|            |        |
|------------|--------|
| CAMERA ID  | OFF    |
| IRIS       | ALC... |
| SHUTTER    | OFF    |
| AGC        | LOW    |
| WHITE BAL  | ---    |
| FOCUS MODE | AF     |
| MOTION DET | OFF    |
| COLOR/BW   | BW...  |
| PRIVACY    | OFF    |
| SPECIAL    | ---    |
| PRESET     | ---    |
| EXIT       | QUIT   |

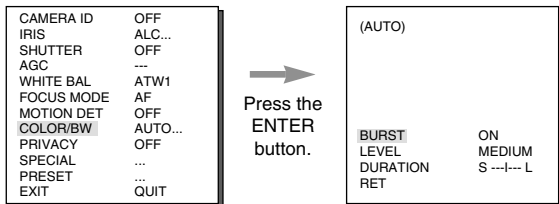


Press the  
ENTER  
button.

|       |    |
|-------|----|
| (BW)  |    |
| BURST | ON |
| RET   |    |

## ✓ AUTO...

Depending on illumination, it is automatically switched to the COLOR or BW mode. In the poor illumination environment, turns IR Filter off to convert to the Black-and-White mode for better sensitivity and in the good illumination environment, turns it on to convert to the COLOR mode for worse sensitivity. Select AUTO and press [Enter] and the AUTO BW submenu will appear to control the BW level. Depending on ON or OFF, the BURST signal may output or no. It also sets up the duration for conversion and the brightness level for the conversion from the COLOR mode to the BW mode. Duration options are 10Sec., 30Sec., 1Min., and 5Min.. In the BW mode, the WHITE BAL menu will be marked --- to make setup unavailable.

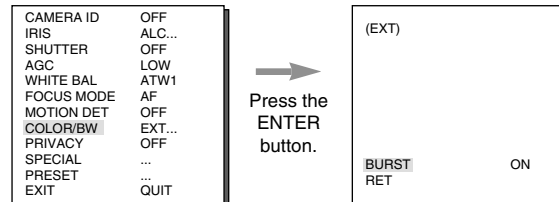


- ALARM ON : It sends out signals through the ALARM output port in the BW mode.
- ALARM OFF : The ALARM output port is synchronized with the MOTION DET function regardless of the COLOR/BW mode.
- BURST ON : The color burst signal is output together with black and white composite video signal.  
BURST OFF : The color burst signal is not output.
- LEVEL : You can set the brightness level that changes from COLOR mode to BW mode in 3 steps : LOW, MEDIUM, and HIGH.
- DWELL TIME : Set the HOLDING time for switching between COLOR and BW mode depending the changes in the amount of light. You can set the HOLDING time to 10sec (S), 30sec, 60sec, or 300sec (L).

❖ In AUTO mode, AGC will operate in high speed mode, and you cannot change it manually, as it is indicated by "----".

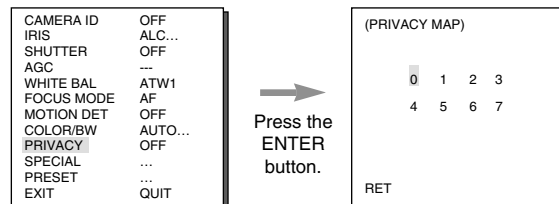
## ✓ EXT...

This menu automatically converts the COLOR Mode into the BW Mode or vice versa depending on illumination with an external sensor. If you select the EXIT menu and press the [Enter] key, the EXTERNAL BW submenu will appear on the menu screen. You will be able to send out the BURST signal by turning on or off in this menu.

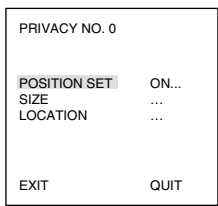


## PRIVACY

This function designates an area that may violate PRIVACY and hides it when the camera shoots a screen including the area to protect Privacy. Up to 8 PRIVACY ZONEs are available for setup. After PRIVACY menu setup, press ENTER to enter the PRIVACY MAP screen. Now, press UP/DOWN/LEFT/RIGHT key to choose one out of PRIVACY 0~7 and press ENTER to enter the PRIVACY setup menu.



→  
Press the  
ENTER  
button.

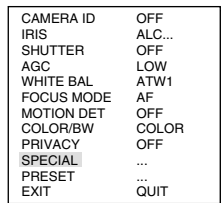


You shall set up the position of ZOOM/FOCUS in the PRIVACY ZONE area from the POSITION SET menu. Press UP/DOWN/LEFT/RIGHT key to size the PRIVACY ZONE area from the SIZE menu. Press UP/DOWN/LEFT/RIGHT key to locate the PRIVACY ZONE area from the LOCATION menu.

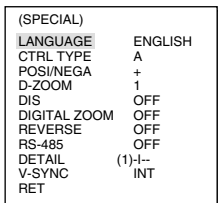
❖ The rim of the screen cannot be hidden by the PRIVACY ZONE area. Please be careful for setup.

## SPECIAL

The SPECIAL menu controls CONTROL TYPE, POSI/NEGA, ZOOM SPEED, DIS, D-ZOOM, REVERSE, RS-485, V-SYNC, LANGUAGE, and DETAIL. Press [ENTER] in the SPECIAL menu and the SPECIAL submenu screen will appear.



→  
Press the  
ENTER  
button.



❖ The V-SYNC option is available only with the SCC-C4305(P).

- ✓ **LANGUAGE** : Selects English/French/German/Spanish/Italian OSD menu.
- ✓ **CTRL TYPE** : By inputting the wire remote port, you may set up the mode, A, B, C, or D.

| Code | Item | Tele | Wide | Far | Near |
|------|------|------|------|-----|------|
| A    |      | -6V  | +6V  | +6V | -6V  |
| B    |      | -6V  | +6V  | -6V | +6V  |
| C    |      | +6V  | -6V  | +6V | -6V  |
| D    |      | +6V  | -6V  | -6V | +6V  |

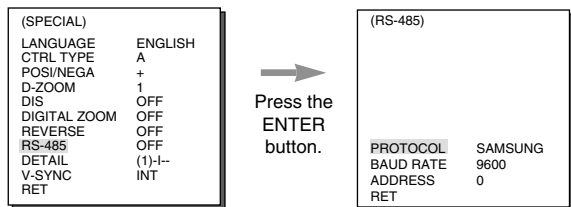
- ✓ **POSI/NEGA** : Output as it is or mirror the video brightness signal.
- ✓ **ZOOM SPEED** : Use ← and → in the ZOOM SPEED menu to set the speed as follows.
  - 1 : About 17Sec. from X 1 to X 22(Slowest)
  - 2 : About 10Sec. from X 1 to X 22(Slow)
  - 3 : About 6Sec. from X 1 to X 22(Fast)
  - 4 : About 3Sec. from X 1 to X 22(Fastest)

- ✓ **DIS** : Digital Image Stabilization. Compensates hand shivering errors.

❖ It is recommended to deactivate the DIS function in the no vibration environment.

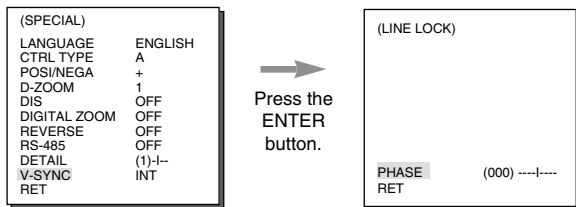
- ✓ **D-ZOOM** : Sets up the Digital Zoom magnification ratio up to x10.
- ✓ **REVERSE** : Mirrors video signals horizontally, vertically, or both.

- ✓ **RS-485** : Sets up RS-485 Communication Protocol, Address, and Baud Rate.



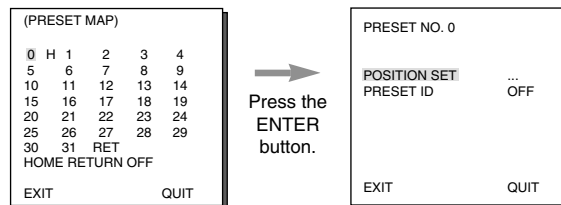
- ✓ **DETAIL** : Controls the horizontal or vertical distinction.
- ✓ **V-SYNC** : INT shall be selected to use internal synchronization. LINE... is used to synchronize several camera phases for the multi camera operation by using an external signal(AC signal). As there may be a slight deviation between sets, adjusts PHASE to overcome this handicap. When you use AC power source, V-SYNC is available. Select LINE... and press [ENTER] and the PHASE control submenu will appear. The PHASE control ranges from -106H to +106H as for NTSC and from -138H to +138H as for PAL.

❖ In case of DC power source, the V-SYNC menu is marked --- so that setup is unavailable.



## PRESET

Select the PRESET menu and press [ENTER] and the PRESET MAP submenu screen will appear.



Select the PRESET number and press [ENTER] and the above screen will appear.

- ✓ **POSITION SET** : Memorizes the position of ZOOM or FOCUS.
- ✓ **PRESET ID** : Designates the ID on the basis of the PRESET position as the CAMERA ID.

❖ HOME RETURN automatically returns to the HOME position should there is no key input for a certain time. The HOME position is set to PRESET 0 if it is saved or Off if not.

## HOME RETURN Time Setup

→ OFF → 1MIN → 2MIN → 3~60MIN → 2 HOUR → 3~12 HOUR



## Product Specification

### EXIT

The EXIT menu is used to terminate the CAMERA SETUP menu.

- ✓ **QUIT** : Select to ignore any changes you have made and restore the previously saved settings.
- ✓ **SAVE** : Select to save the settings that have been changed so far.
- ✓ **PRESET** : Ignores any change and returns to the default of the CAMERA menu as set for the product delivery.

|            |        |
|------------|--------|
| CAMERA ID  | OFF    |
| IRIS       | ALC... |
| SHUTTER    | OFF    |
| AGC        | LOW    |
| WHITE BAL  | ATW1   |
| FOCUS MODE | AF     |
| MOTION DET | OFF    |
| COLOR/BW   | COLOR  |
| PRIVACY    | OFF    |
| SPECIAL    | ...    |
| PRESET     | ...    |
| EXIT       | QUIT   |

### SCC-C4205/C4305

| Item                       | Description                                                                                                                                                                    | Remark |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Product Type               | Zoom Lens Built-in WDR Color Camera(NTSC TYPE)                                                                                                                                 |        |
| Power Supply Voltage       | - SCC-C4205 : DC 12V±10%<br>- SCC-C4305 : DC 12V±10%<br>AC 24V±10% (60Hz±0.3Hz)                                                                                                |        |
| Power Consumption          | - SCC-C4205 : 5.7W<br>- SCC-C4305 : 6W                                                                                                                                         |        |
| Broadcast System           | - NTSC Standard Color System                                                                                                                                                   |        |
| Imaging Device             | - 1/4 inch WDR compatible Exview HAD CCD                                                                                                                                       |        |
| Effective Pixe             | - 768(H) x 494(V)                                                                                                                                                              |        |
| Scanning Method            | - 525 Line, 2:1 Interlace                                                                                                                                                      |        |
| Line Frequency             | - SCC-C4205<br>Horizontal : 15,734 Hz (INT)<br>Vertical : 59.94 Hz (INT)<br>- SCC-C4305<br>Horizontal : 15,734 Hz(INT), 15,750 Hz(L/L)<br>Vertical : 59.94 Hz(INT), 60 Hz(L/L) |        |
| Synchronization Method     | -SCC-C4205 : Internal Only<br>-SCC-C4305 : Internal/Line-Lock                                                                                                                  |        |
| Resolution                 | - 480 TV Lines                                                                                                                                                                 |        |
| S/N Ratio                  | - 50dB(AGC OFF)                                                                                                                                                                |        |
| Minimum Scene Illumination | - Color : 0.2Lux (SENS UP X4) 0.005Lux (SENS UP X160)<br>- B/W : 0.07Lux (SENS UP X4) 0.002Lux (SENS UP X160)                                                                  |        |
| Dynamic Range              | - Max 128                                                                                                                                                                      |        |
| Color Temp.                | - ATW1/ATW2/AWC/Manual MODE<br>(3200K, 5600K, R/B Gain Adjustment)                                                                                                             |        |
| Signal Output              | - Composite Video Out : 1.0 Vp-p 75ohms/BNC                                                                                                                                    |        |
| Lens                       | - 22x Zoom Lens in a single unit<br>- Focal length : 3.6 to 79.2 mm<br>- Aperture : F1.6(Wide), F3.8(Tele)<br>- Auto Focus                                                     |        |
| Remote Control             | - Tele/Wide(ZOOM), Near/Far(FOCUS),<br>Iris Open/Close                                                                                                                         |        |
| Alarm                      | - Alarm Inputs : 1 In(5mA Sink)                                                                                                                                                |        |
| Operating Temp.            | - -10°C ~ +50°C                                                                                                                                                                |        |
| Operating Humidity         | - ~90%                                                                                                                                                                         |        |
| Dimensions                 | - SCC-C4205 : 59.5 x 60.5 x 109.5(H)mm<br>- SCC-C4305 : 59.5 x 60.5 x 143(H)mm                                                                                                 |        |
| Weight                     | - SCC-C4205 : 375g<br>- SCC-C4305 : 500g                                                                                                                                       |        |
| Lens Lifetime              | - About 1 year (when using the Full-AF mode)                                                                                                                                   |        |

## SCC-C4205P/C4305P

| Item                       | Description                                                                                                                                                                | Remark |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Product Type               | Zoom Lens Built-in WDR Color Camera(PAL TYPE)                                                                                                                              |        |
| Power Supply Voltage       | - SCC-C4205P : DC 12V±10%<br>- SCC-C4305P : DC 12V±10%<br>AC 24V±10% (50Hz±0.3Hz)                                                                                          |        |
| Power Consumption          | - SCC-C4205P : 5.7W<br>- SCC-C4305P : 6W                                                                                                                                   |        |
| Broadcast System           | - PAL Standard Color System                                                                                                                                                |        |
| Imaging Device             | - 1/4 inch WDR compatible Exview HAD CCD                                                                                                                                   |        |
| Effective Pixe             | - 752(H) x 582(V)                                                                                                                                                          |        |
| Scanning Method            | - 625 Line, 2:1 Interlace                                                                                                                                                  |        |
| Line Frequency             | - SCC-C4205P<br>Horizontal : 15,625 Hz (INT)<br>Vertical : 50 Hz (INT)<br>- SCC-C4305P<br>Horizontal : 15,625 Hz(INT), 15,625 Hz(L/L)<br>Vertical : 50 Hz(INT), 50 Hz(L/L) |        |
| Synchronization Method     | -SCC-C4205P : Internal Only<br>-SCC-C4305P : Internal/Line-Lock                                                                                                            |        |
| Resolution                 | - 480 TV Lines                                                                                                                                                             |        |
| S/N Ratio                  | - 50dB(AGC OFF)                                                                                                                                                            |        |
| Minimum Scene Illumination | - Color : 0.2Lux (SENS UP X4) 0.005Lux (SENS UP X160)<br>- B/W : 0.07Lux (SENS UP X4) 0.002Lux (SENS UP X160)                                                              |        |
| Dynamic Range              | - Max 128                                                                                                                                                                  |        |
| Color Temp.                | - ATW1/ATW2/AWC/Manual MODE<br>(3200K, 5600K, R/B Gain Adjustment)                                                                                                         |        |
| Signal Output              | - Composite Video Out : 1.0 Vp-p 75ohms/BNC                                                                                                                                |        |
| Lens                       | - 22x Zoom Lens in a single unit<br>- Focal length : 3.6 to 79.2 mm<br>- Aperture : F1.6(Wide), F3.8(Tele)<br>- Auto Focus                                                 |        |
| Remote Control             | - Tele/Wide(ZOOM), Near/Far(FOCUS),<br>Iris Open/Close                                                                                                                     |        |
| Alarm                      | - Alarm Inputs : 1 In(5mA Sink)                                                                                                                                            |        |
| Operating Temp.            | -10°C ~ +50°C                                                                                                                                                              |        |
| Operating Humidity         | - ~90%                                                                                                                                                                     |        |
| Dimensions                 | - SCC-C4205P : 59.5 x 60.5 x 109.5(H)mm<br>- SCC-C4305P : 59.5 x 60.5 x 143(H)mm                                                                                           |        |
| Weight                     | - SCC-C4205P : 375g<br>- SCC-C4305P : 500g                                                                                                                                 |        |
| Lens Lifetime              | - About 1 year (when using the Full-AF mode)                                                                                                                               |        |

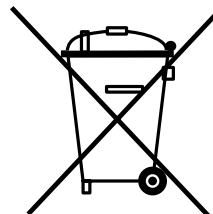
## Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.





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