

SCC-B1331(P)
SCC-B1031P

DIGITAL COLOR CAMERA

user manual

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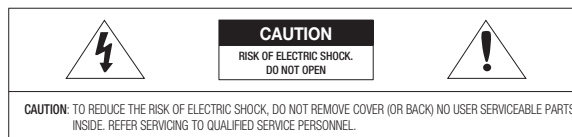
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Thank you for purchasing this Samsung product.
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please register your product at
www.samsungsecurity.com



Safety information



This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.



This exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- If this power supply is used at 240V ac, a suitable plug adapter should be used.

WARNING

1. Be sure to use only the standard adapter that is specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
2. Incorrectly connecting the power supply or replacing battery may cause explosion, fire, electric shock, or damage to the product.
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. Insecure connection may cause fire.
5. When installing the camera, fasten it securely and firmly. The fall of camera may cause personal injury.
6. Do not place conductive objects (e.g. screwdrivers, coins, metal parts, etc.) or containers filled with water on top of the camera. Doing so may cause personal injury due to fire, electric shock, or falling objects.
7. Do not install the unit in humid, dusty, or sooty locations. Doing so may cause fire or electric 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 electric shock.
9. If this product fails to operate normally, contact the nearest service center. Never disassemble or modify this product in any way. (SAMSUNG is not liable for problems caused by unauthorized modifications or attempted repair.)
10. When cleaning, do not spray water directly onto parts of the product. Doing so may cause fire or electric shock.

2 - DIGITAL COLOR CAMERA

CAUTION

1. Electric Shock

2. Caution

3. Important

4. Fire

5. Injury

6. Important

7. Caution

8. Safety

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Safety information

CAUTION

1. Do not drop objects on the product or apply strong blows 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 (over 140°F), low temperature (below -14°F), or high humidity. Doing so may cause fire or electric shock.
3. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
4. 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.
5. Keep out of direct sunlight and heat radiation sources. It may cause fire.
6. Install it in a place with good ventilation.
7. Avoid aiming the camera directly towards extremely bright objects such as sun, as this may damage the CCD image sensor.
8. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
9. The Mains plug is used as a disconnect device and shall stay readily operable at any time.

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.

Caution

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



IC Compliance Notice

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

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Important Safety Instructions

WARNING

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 is 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 card 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.



Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus

Contents

Introduction

Features	6
PRODUCT & ACCESSORIES	7
Part Names and Functions	8

Installation

Connecting the Auto Iris Lens Connector	11
Mounting the lens	11
Connecting cables and checking operation	12

How to use OSD Menu

Using Icons in the Menu	13
Main Menu	13
Profile	14
Camera Setup	16
Intelligence	22
Privacy zone Setup	23
Other Set	24
System Information	25
Language	25

Specifications

Specifications	26
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Introduction

FEATURES

- ❖ **High Resolution**
 - This camera has realized high resolution of 600 lines using the top-notch full digital image processing and special algorithm technologies.
- ❖ **Intelligent Motion Detection & Tracking**
 - This is an intelligent function that automatically detects a motion of an object. You can set a virtual fence so it sounds an alert if an object passes / enters /exits the virtual fence or virtual area.
- ❖ **XDR (eXtended Dynamic Range)**
 - Actively controls the gamma compensation in the way it operates the ambient luminance contrast in a certain pixel unit to determine the optimal visibility.
- ❖ **High Sensitivity**
 - It implements images of high sensitivity using the up-to-date SONY Super-HAD Progressive CCD.
- ❖ **Low Illumination**
 - It uses the digital signal technologies such as low illumination and Day/Night functions that make your camera identify objects even in the worst environment.
- ❖ **Superior Backlight Adjustment**
 - When an object has a bright illumination or sunlight behind it, this camera automatically improves the shaded object picture quality.
- ❖ **Digital Power Synchronization**
 - The full digital Line Lock function directly adjusts the vertical camera synchronization to enhance the operationability and reliability of this camera.
- ❖ **Output Signal Setting**
 - You can set the following Video output signals: Image reversion (Horizontal, Vertical, or both), Privacy, Horizontal/Vertical profiling, and digital zooming.
- ❖ **OSD(On Screen Display) Menu**
 - OSD menu is provided to display the status of camera and to configure the functions interactively.
- ❖ **Coaxial Cable Communication**
 - This is a remote control function that overlaps the coaxial cable (for a transfer of the video signal) with the control signal. In installation or repair, this helps you control the communication controller (optional) without additional cabling.

❖ P

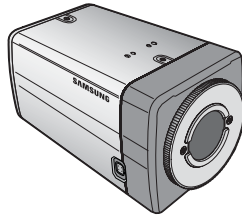
Camera

PRODUCT & ACCESSORIES

Introduction

◆ Product & Accessories

- Accessories
- Main Product



Camera

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Camera Holder(Mount)



C Mount Adapter



User's Manual



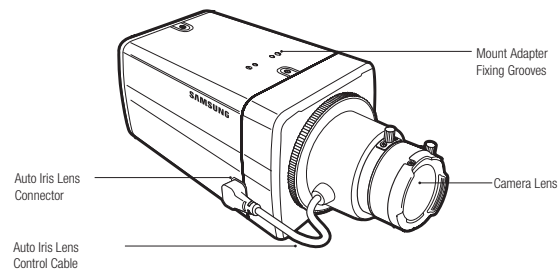
Auto Iris
Lens Connector

Introduction

PART NAMES AND FUNCTIONS

◆ R

◆ Side View



- **Auto Iris Lens Connector**

This groove is used for screwing the mount adapter, a part of the bracket where the camera will be installed.

- **Auto Iris Lens Control Cable**

This cable transmits the power and signals from the camera for controlling the Auto Iris Lens.

- **Mount Adapter Fixing Grooves**

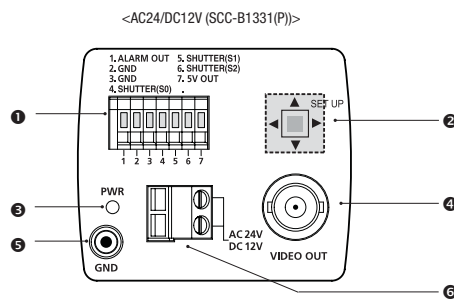
These grooves are used when fixing screws of the mount adapter connected to the bracket when installing the camera on it.

- **Note :**

– When the camera lens becomes dirty, softly clean it with a lens tissue or a cloth soaked in pure ethanol.

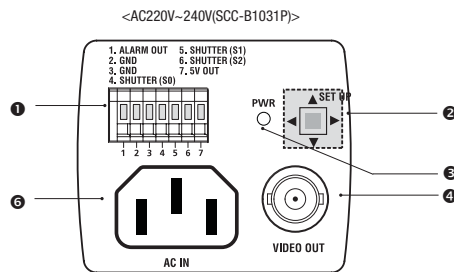
Introduction

◆ Rear Panel



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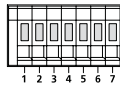
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Introduction

● Input/Output Connector

This connector has input and output ports for, DAY/NIGHT switching, and alarm output signals.



No.	Function	Description
1	ALARM OUT	Alarm out port for motion detection. (Open collector type)
2	GND	Grounding Port.
3	TRIGGER IN	Displays the current still image when it receives the Trigger signal. (Normal Open Type)
4	SHUTTER (S0)	This is a port for selecting an external high speed shutter mode. If connected in LOW (OV), it will become ON inside.
5	SHUTTER (S1)	This is a port for selecting an external high speed shutter mode. If connected in LOW (OV), it will become ON inside.
6	SHUTTER (S2)	This is a port for selecting an external high speed shutter mode. If connected in LOW (OV), it will become ON inside.
7	5V OUT	Use within typical DC +5V 100mA

● SETUP Switch

This switch is used to set the function or property. When this switch is pressed for at least 2 seconds, the MAIN MENU appears.

◀ ▶ (Left/Right) : By pressing this switch left or right, you can move left or right on the menu or change the displayed value.

▲ ▼ (Up/Down) : By pressing this switch up or down, you can move up or down on the menu.

☑ : When you press this switch in the menu, the selected function is confirmed. To enter a submenu, press this button.

● Power Display LED

When the power is normally connected, the red LED lights.

● Video OUT Port

This is connected to the Video Input Port of the monitor and it outputs the Video signals.

● GND

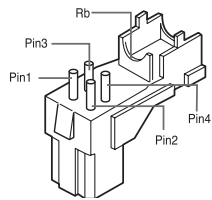
This is a grounding port.

● Power Connection Port

This is connected to the Power cable.

Installation

CONNECTING THE AUTO IRIS LENS CONNECTOR



Connect each uncovered shutter control cables to the Auto Iris Lens Connector as the following

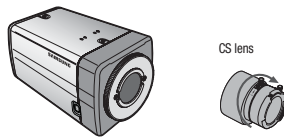
Pin No.	DC Control Type	Video Control Type
1	Damp(-)	Power (+12V)
2	Damp(+)	Not applicable
3	Drive(+)	Video Signal
4	Drive(-)	Ground

- **Note :**
- You can switch a control type of the lens in the menu.

MOUNTING THE LENS

When using the CS lens

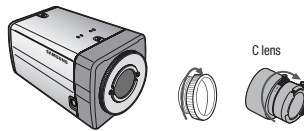
Mount the CS lens by rotating it clockwise as shown in the picture:



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When using the C lens

After mounting the C-mount adapter by rotating it clockwise, turn the C lens clockwise until it is fixed as shown in the picture.

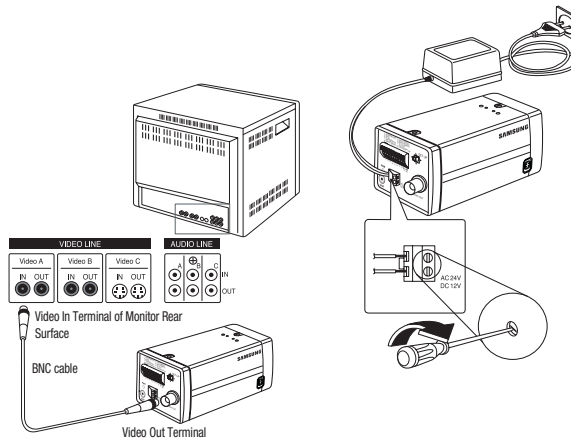


Installation

CONNECTING CABLES AND CHECKING OPERATION

- ① Connect one end of the BNC cable to the VIDEO OUT Port on the rear of the camera.
- ② Connect another end of the BNC cable to the VIDEO IN Port on the monitor.

- ③ Finally connect the power adapter to the camera. You can connect 2 lines of the power adapter to the camera using the Slot Head screwdriver as shown in the picture. (GND: cable with the white stripe line)



- Note :
 - Connect any power source of AC 24V and DC 12V irrespective of polarity.

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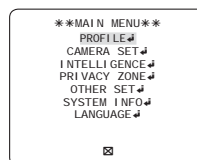
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How to use OSD Menu

USING ICONS IN THE MENU

- **EXIT**
Exits the menu setting.
Before you exits the menu setting, select SAVE to save your settings, or select QUIT to cancel.
- **(RET)**
Returns to the previous menu.
- **(HOME)**
Returns to the main menu.
- **(SAVE)**
Used to save your settings of MASK AREA, PRIVACY ZONE and more.
Once you save your settings, they will remain even if you select QUIT in the menu.
- **(DEL)**
Used to deletes your settings of MASK AREA, PRIVACY ZONE and more.
Once you delete your settings, they will not be restored even if you select QUIT in the menu.

MAIN MENU

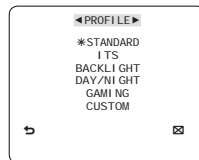


- **PROFILE**
You can set a mode according to the camera installation conditions.
- **CAMERA SET**
Configure Camera related functions and data.
- **INTELLIGENCE**
You can configure the settings of motion detection, tracking and more.
- **PRIVACY ZONE**
You can configure the privacy related settings.
- **OTHER SET**
You can configure for Factory Defaults, and more.
- **SYSTEM INFO.**
Displays the system information including the camera version and communication settings.
- **LANGUAGE**
Select a preferred one from the supported languages.

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How to use OSD Menu

PROFILE



In the **PROFILE** menu, you can configure the following camera settings at once.

CAMERA SET Menu		STANDARD	ITS	BACKLIGHT	GAMING
Previous Menu	Sub-menus				
IRIS		ALC	ALC	ALC	ALC
	ALC	-	-	-	-
	LENS	DC	DC	DC	DC
	LEVEL	0	0	0	0
	BACKLIGHT	OFF	OFF	-	OFF
	WEIGHT	User setting allowed	User setting allowed	MID	User setting allowed
	WDR LEVEL	User setting allowed	User setting allowed	0	User setting allowed
WHITE BAL	User setting allowed	User setting allowed	User setting allowed	User setting allowed	
AGC		VERY HIGH	VERY HIGH+	VERY HIGH	VERY HIGH
DNR		MID	MID	MID	MID
SHUTTER		OFF	AUTO1/250	OFF	OFF
XDR		MID	MID	MID	MID

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How to use OSD Menu

CAMERA SET Menu		STANDARD	ITS	BACKLIGHT	GAMING
Previous Menu	Sub-menus				
WHITE BAL.		DAY	DAY/NIGHT	DAY	DAY
	DAY	-	-	-	-
	MODE	ATW2	ATW1	ATW1	ATW1
	RED	0	0	0	0
	BLUE	0	0	0	0
DETAIL		2	2	2	2

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◆ ITS

It will be set automatically so you can easily check the traffic conditions.

◆ BACKLIGHT

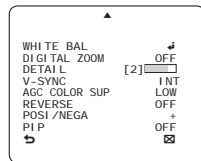
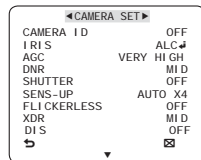
It will be set automatically so you can distinguish the object from the background in a severe backlighting scene.

◆ GAMING

It will be set automatically to help you take a picture in a regular indoor lighting condition.

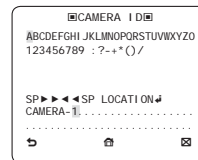
How to use OSD Menu

CAMERA SETUP



Setup the general functions of zoom camera module.
Use the ▲▼▶◀ switch to select a menu item.

❖ CAMERA ID [OFF, ON]



The **CAMERA ID** menu is used for you to assign a unique name to a camera. If you press the **SETUP** switch with the **CAMERA ID** menu selected, you will see the appropriate screen.

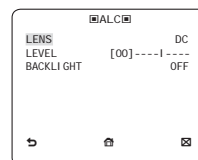
You can enter up to 54 alphanumeric or special characters for the **CAMERA ID**. Select **LOCATION** and press the **SETUP** switch to move the display position of the **CAMERA ID**.

❖ IRIS [ALC, ELC]

The **IRIS** menu is used if you want to adjust the intensity of radiation incoming to the camera.

• ALC (Automatic Light Control)

① If you press the **SETUP** switch with an **ALC**-based sub menu selected, you will see the appropriate screen.



The **LENS** menu is used if you select a type of the AI lens.

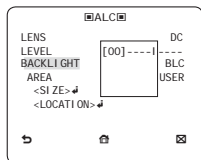
For normal operation, you must select **DC** for a DC-type lens, and select **VIDEO** for a VIDEO-type lens.

How to use OSD Menu

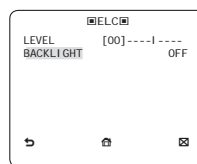
The **LEVEL** menu is used to adjust the overall brightness, where "+" will increase the brightness and "-" will decrease it.

- ② If you set the **BACKLIGHT** option to **BLC**, you will see a menu where you can set the **BLC** area.

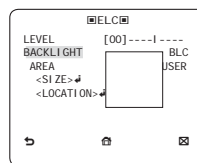
you can set the desired **BLC** zone by defining the size and location.



If you use an ordinary camera in a scene with an intensive backlight, the object will be displayed dark on the monitor affected by the backlight. To solve this problem, you can use the **BLC**(Back Light Compensation) function to improve the sharpness of the image in such a high contrast scene.



- ② In similar to **ALC** setting, you can specify the **BLC** area.



❖ AGC [OFF, VERY LOW, LOW, MID, HIGH, VERY HIGH, USER]

The **AGC** (Auto Gain Control) menu is used to set the **AGC** level of the camera. When the **AGC** is active, the camera automatically increases the sensitivity by amplifying the Video signal when the strength of the signal falls below the normal value.

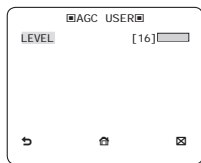
If you press the **SETUP** switch with a **USER** sub menu selected, you will see the appropriate screen.

• ELC (Electronic Light Control)

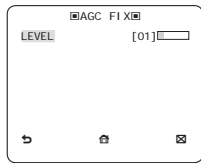
- ① If you press the **SETUP** switch when the **ELC** sub menu is selected, the corresponding screen appears. You can make the **ELC** (Electronic Light Control) function active or not.

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How to use OSD Menu



In **USER** mode, you can break down the level in 16 steps from **VERY LOW** to **VERY HIGH** to your preference.



If you press the **SETUP** switch with a **FIX** sub menu selected, you will see the appropriate screen.

As a fixed value of the **AGC** gain is used in **FIX** mode, you can select one of the 16 detailed levels from **VERY LOW** to **VERY HIGH** before fixing it.

◆ DNR [OFF,LOW,MID,HIGH,USER(1-16)]

You can configure the **DNR** (Digital Noise Reduction) related settings.

Reduces the noise on the screen. This is especially useful for a severely distorted screen.

You can set the level if you set **DNR** to **USER**.

◆ SHUTTER

[OFF, AUTO 1/100(PAL:1/120), AUTO 1/250, AUTO 1/500, AUTO 1/1000, AUTO 1/2000, AUTO 1/4000, AUTO 1/10K, 1/100(PAL:1/120), 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10K, EXT]

The **SHUTTER** menu is used to set the fixed high-speed electronic shutter, auto high speed electronic shutter and external high speed electronic shutter(EXT).

You can select one of 7 options from 1/100(PAL:1/120) to 1/10K for the fixed high speed electronic shutter, which is mostly used for imaging a fast moving object.

The auto high speed electronic shutter operates as the fixed high speed shutter in a high contrast scene but automatically focuses the target if the iris opens fully in a low contrast scene like in **ELC** mode. When it gets brighter back, the mode will switch to the fixed high speed electronic shutter mode.

However, the auto high speed shutter operates properly only in a camera featuring a DC or VIDEO lens.

In external high speed electronic shutter (EXT) mode, you can select one of 8 modes from **OFF** through 1/100(PAL:1/120) to 1/10K for the high speed electronic shutter. It works as the high speed electronic shutter. You can select an option using SHUTTER(S0), SHUTTER(S1) and SHUTTER(S2) on the rear.

Connect each of the terminals to GND.

See the below table for the operation.

	SHUTTERS(S0)	SHUTTERS(S1)	SHUTTERS(S2)
OFF (NTSC: 1/60, PAL:1/50)	OFF	OFF	OFF
1/100 (PAL:1/120)	ON	OFF	OFF
1/250	OFF	ON	OFF
1/500	ON	ON	OFF
1/1000	OFF	OFF	ON

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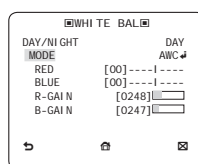
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How to use OSD Menu

1/2000	ON	OFF	ON
1/4000	OFF	ON	ON
1/10K	ON	ON	ON



▪ Note :

- If IRIS mode is set to ELC, the SHUTTER menu will be deactivated as you adjust the brightness using the electronic shutter.
- If the SENS-UP function is set to AUTO, only items of OFF and AUTO are available in the SHUTTER menu.
- If the FLICKERLESS function is set to ON, the SHUTTER menu will be deactivated.

Automatically detects the ambient level of darkness in the dark or low contrast scene to extend the accumulated time, keeping the image bright and sharp;

❖ FLICKERLESS [OFF, ON]

If set to ON, the shutter speed will be fixed to 1/100(PAL:1/120) second. This will prevent possible screen distortion due to a mismatch between the vertical sync frequency and the blinking frequency of the lighting.

❖ XDR (eXtended Dynamic Range) [OFF, LOW, MID, HIGH]

Actively controls the gamma compensation in the way it operates the ambient luminance contrast in a certain pixel unit to determine the optimal visibility.

Select one from OFF, LOW, MID and HIGH. Closing to HIGH will increase the compensation level.

❖ WHITE BAL [DAY/NIGHT]

If you want to adjust the color scheme, use the WHITE BALANCE function.

• DAY

In DAY mode, you can set the color values of RED and BLUE. The screen will be displayed in colors according to your settings.

▪ Note :

- You can set the values of R-GAIN and B-GAIN only in AWC mode.
- If AGC is set to OFF or FIX, you can not access the NIGHT menu.

- For adjusting the white balance, the following 5 modes are provided:

- **ATW1**(Auto Tracing White Balance mode 1): The camera can automatically adjust the color temperature in real time, according to the ambient conditions. The color temperature ranges from approx. 2500K to 9300K.
- **ATW2**: The color temperature ranges from approx. 2,000K to 10,000K.
- **AWC** (Auto White Balance Control): If you press the **SETUP** switch in the appropriate item position, Auto White Balance will perform once.
- **3200K** : Set color temperature to 3200K
- **5600K** : Set color temperature to 5600K
- **RED** : Adjusts the strength of the red color.
- **BLUE** : Adjusts the strength of the blue color.
- **R-GAIN/B-GAIN** : Enables you to set the current color temperature manually.
- **BRIGHTNESS** : Select a brightness level in switching from setting in DAY mode to setting in NIGHT mode.

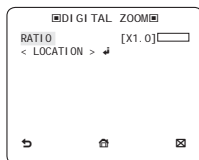
ENG

How to use OSD Menu

❖ DIGITAL ZOOM [ON/OFF]

You can set the digital zoom factor and position. If you press the **SETUP** switch with the **DIGITAL ZOOM** function set to **ON**, you will see the appropriate screen.

When the zoom factor and position are defined, the digital zoom function will operate.



LOCATION : If you press the **SETUP** switch in the condition where the image is enlarged as much as the ratio setting, you can watch an invisible area of the effective screen as well using the **▲▼◀▶** switch.

Note :
 - The **DIGITAL ZOOM** function enlarges the pixel itself, which can cause deterioration of the quality.

❖ DETAIL [0-3]

Controls the horizontal or vertical distinction.

❖ V-SYNC [INT, LINE]

Select the vertical sync mode for **INT** or **LINE**. If you select **INT**, the camera will use the internal synchronization.

If selecting **LINE**, the camera will use the external power source frequency for the synchronization. You can adjust the **LL-PHASE**.

Note :
 - Use of DC 12V will fix V-SYNC to INT, which can not be changed.

❖ AGC COLOR SUP [LOW, MID, HIGH]

Adjust the color scheme according to the **AGC** value.

❖ REVERSE [OFF, H, V, H/V]

Mirrors video signals horizontally, vertically, or both.

❖ POSI/NEGA [+,-]

Output as it is or mirror the video brightness signal.

❖ PIP [OFF, ON]

Displays a sub image together with the main image on the same screen using the Picture In Picture function.

Note :
 - If more than one privacy zone is set and the **PRIVACY SET** is set to **ON**, the **PIP** function will be deactivated.
 - If the **INTELLIGENCE** function is set to **FENCE** mode, the **PIP** menu will be deactivated.

❖ DIS [OFF, ON]

Digital Image Stabilization will set the anti-shake compensation.

Note :
 - If you set **DIS** to **ON**, the compensation area will be enlarged as set in the digital zoom factor.
 - If you set the digital zoom factor to greater than the enlarged zoom factor for the compensation, the **DIS** function will be deactivated.

INT

You
 INTE

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• T

D_t

• D_t

D_t

❖ M

ε

ε

F

❖ C

V

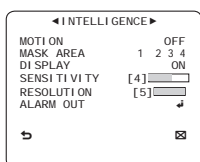
f

d

❖ S

How to use OSD Menu

INTELLIGENCE



You can set the motion detection and tracking in the INTELLIGENCE menu.

❖ MOTION [OFF, TRACKING, DETECTION]

• TRACKING

Detects and tracks a moving object.

• DETECTION

Detects a moving object.

❖ MASK AREA [1-4]

Specify a detection exception area to mask.

Select a mask number and specify the size and position.



❖ DISPLAY [ON, OFF]

With the DISPLAY option set to ON, a motion function will be displayed on the screen, if detected.

❖ SENSITIVITY [1-7]

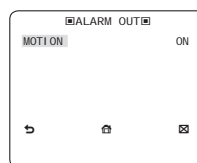
Set the sensitivity of the motion detection.

❖ RESOLUTION [1-5]

If setting it to high, the camera can detect even a trivial movement of the target.

❖ ALARM OUT

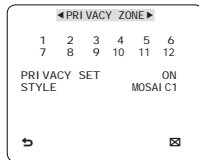
If you set a desired menu item to ON, the camera will sound an alert if it detect the appropriate motion.



ENG

How to use OSD Menu

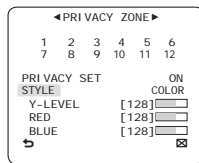
PRIVACY ZONE SETUP



The **PRIVACY** function will protect your privacy by screening the privacy area that you have specified during monitoring. You can specify up to 12 privacy zones.

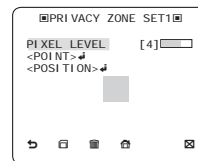
If you set the **PRIVACY SET** to **ON**, your **PRIVACY ZONE** settings will be applied.

You can change the style to adjust the mosaic size and color of the **PRIVACY ZONE**.



Use the **▲▼◀▶** switch to select one from **PRIVACY 1** through **12**.

Select one from **PRIVACY 1-12** and press the **SETUP** switch to confirm your setting. You can specify a pixel that moves as you change the **PIXEL LEVEL** to set the position.



- How to set the point

You can set each position of the 4 points.

① If you press the **SETUP** switch in **<POINT>**, you will see the points available in the **PRIVACY ZONE**. Each time you press the **SETUP** switch, the points available will move.

② Use the **▲▼◀▶** switch to set the position of each point. Set each position of the four points and press the **SETUP** switch to complete the positioning.

- How to set the position

You can move the position of the overall area.

① By pressing the **SETUP** switch in **<POSITION>**, you can move the overall position of the privacy zone.

② Use the **▲▼◀▶** switch to move the position and press the **SETUP** switch to confirm it.

▪ **Note :**

- If more than one **PRIVACY ZONE** is specified and the **PRIVACY SET** is set to **ON**, the **PIP** function will be deactivated.
- If the 12th **PRIVACY ZONE** is specified, the **LINE** function of **FENCE** will be deactivated.

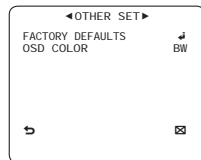
OTI

↕ F
A
d

↕ C
Y
C

How to use OSD Menu

OTHER SET



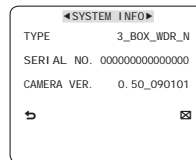
❖ FACTORY DEFAULTS

All the settings will be restored to the factory default.

❖ OSD COLOR [BW, R/G/B]

You can set the OSD(On-screen Display) color to COLOR or B/W.

SYSTEM INFORMATION



You can view the system information including camera version

LANGUAGE



The camera supports 5 different languages. Select a preferred language.

ENG

How to use OSD Menu

◆ Initial Configuration Table

• Camera Configuration	
CAMERA ID	OFF
IRIS	ALC
AGC	VERY HIGH
DNR	MID
SHUTTER	OFF
FLICKERLESS	OFF
XDR	MID
DIGITAL ZOOM	OFF
DETAIL	[2]
AGC COLOR SUP	MID
REVERSE	OFF
POS/NEGA	+
PIP	OFF
DIS	OFF

Specifications

SPECIFICATIONS

Items	Sub-items	SCC-B1331N																													
Camera Type	CCTV Camera (WDR & DAY/NIGHT)																														
Image	Device 1/3" Super-HAD IT CCD																														
	Pixels	Total 811 x 508																													
		Effective 768 x 494																													
Scanning	System	Interface/Progressive																													
	Scanning Line	525 lines																													
	Frame	30frame/1sec																													
	Horizontal Frequency	Internal Mode	15,734 Hz																												
		Line-lock Mode	15,750 Hz																												
	Vertical Frequency	Internal Mode	59.94 Hz																												
Line-lock Mode		60 Hz																													
Min. Scene Illumination	<table border="1"> <thead> <tr> <th rowspan="2">Sens-up</th> <th colspan="3">Condition</th> <th colspan="2">Min. Scene Illumination</th> </tr> <tr> <th>F.No.</th> <th>Level</th> <th>IRE</th> <th>DAY Lux</th> <th>NIGHT Lux</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>1.2</td> <td>50</td> <td>IRE</td> <td>0.4 Lux</td> <td>0.4 Lux</td> </tr> <tr> <td>OFF</td> <td>1.2</td> <td>30</td> <td>IRE</td> <td>0.24 Lux</td> <td>0.24 Lux</td> </tr> <tr> <td>OFF</td> <td>1.2</td> <td>15</td> <td>IRE</td> <td>0.12 Lux</td> <td>0.12 Lux</td> </tr> </tbody> </table>		Sens-up	Condition			Min. Scene Illumination		F.No.	Level	IRE	DAY Lux	NIGHT Lux	OFF	1.2	50	IRE	0.4 Lux	0.4 Lux	OFF	1.2	30	IRE	0.24 Lux	0.24 Lux	OFF	1.2	15	IRE	0.12 Lux	0.12 Lux
	Sens-up	Condition			Min. Scene Illumination																										
F.No.		Level	IRE	DAY Lux	NIGHT Lux																										
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OFF	1.2	30	IRE	0.24 Lux	0.24 Lux																										
OFF	1.2	15	IRE	0.12 Lux	0.12 Lux																										
Functions	Number of Privacy Zone	12 (Polygonal Method)																													
	Motion Detection	Off/Tracking/Detection																													
	eXtended Dynamic Range(XDR)	Off/On (Level Setting)																													
	D-Zoom	x1 ~ x16 (x0.1 STEP)																													
	PIP	Off/On																													
	High Speed Shutter	1/60 ~ 1/10Ksec (OSD/External Control)																													
	Flickerless	Off/On																													
	Sens-Up	x2 ~ x512																													
	BLC	Off/On (Area Setting)																													
	AGC	Off/On (Max.Level Setting)																													
	ELC	Off/On (~ 1/200K sec)																													
	Line Lock	Off/On (Phase Control)																													
	Camera ID	Off/On (Max.54ea/2Line)																													
	White Balance	ATW1/ATW2/AWC/3200K/5600K																													
	Digital Noise Reduction(DNR)	Off/On (Adaptive 3D+2D)																													
	Digital Image Stabilization(DIS)	Off/On																													
Intelligent Video	Fixed/Moved, Fence																														
	Detail, Reverse(H/V), Posi/Nega																														
Resolution	Horizontal	600 TV Lines																													
	Vertical	350 TV Lines																													
Video Output	-	VBS 1.0V/p-p, 75 Ω																													
S/N Ratio	S/N Ratio	Approx. 52dB																													

END

Specifications

Items	Sub-items	SCC-B1331N	
Lens	Lens Drive Type	MANUAL/AI(VIDEO/DC)	
	Mount Type	CS/C	
Alarm	Input	N/A	
	Output	1 Output	
Remote Control	Coaxitron (Data On Coax cable)	Yes (with SCX-RD100)	
Environmental Conditions	Operating Temperature	-10°C ~ +50°C	
	Humidity	Less than 90%	
Power	Power Requirement	AC24V ± 10%(60Hz ± 0.3Hz) DC12V ± 10%	
	Power Consumption (With DC Lens)	In normal operation : 2.6W In switching the DAY/NIGHT filter : 3.2W	
	LED Indicator	Yes	
Physical Specification	Dimensions (WxHxD)	Net	64(W) x 58(H) x 109.2(D) mm
		Package	173(W) x 99(H) x 115(D) mm
	Weight	Net	305g
		Package	530g
	Color	Body	Silver

Specifications

Items	Sub-items	SCC-B1331P / SCC-B1031P			
Camera Type	CCTV Camera (WDR & DAY/NIGHT)				
Image	Device		1/3" Super-HAD IT CCD		
	Pixels	Total	795 x 596		
		Effective	752 x 582		
Scanning	System	Interface/Progressive			
	Scanning Line	625 lines			
	Frame	25frame/1sec			
	Horizontal Frequency	Internal Mode	15,625 Hz		
		Line-lock Mode	15,625 Hz		
	Vertical Frequency	Internal Mode	50 Hz		
Line-lock Mode		50 Hz			
Min. Scene Illumination	Condition		Min. Scene Illumination		
	Shots-up	F No.	Level	DAY	NIGHT
	OFF	1.2	50 IRE	0.4 Lux	0.4 Lux
	OFF	1.2	30 IRE	0.24 Lux	0.24 Lux
OFF	1.2	15 IRE	0.12 Lux	0.12 Lux	
Functions	Number of Privacy Zone	12 (Polygonal Method)			
	Motion Detection	OFF/Tracking/Detection			
	eXtended Dynamic Range(XDR)	Off/On (Level Setting)			
	D-Zoom	Max. x16			
	PIP	Off/On			
	High Speed Shutter	1/50 - 1/10Ksec (OSD/External Control)			
	Flickerless	Off/On			
	Sens-Up	x2 ~ x512			
	BLC	Off/On (Area Setting)			
	AGC	Off/On (Max.Level Setting)			
	ELC	Off/On (~ 1/200K sec)			
	Line Lock	Off/On (Phase Control)			
	Camera ID	Off/On (Max.54ea/2Line)			
	White Balance	ATW1/ATW2/AWC/3200K/5600K			
	Digital Noise Reduction(DNR)	Off/On (Adaptive 3D+2D)			
	Digital Image Stabilization(DIS)	Off/On			
	Intelligent Video	Fixed/Moved, Fence			
Etc. Function	Detail, Reverse(HV), Posi/Nega				

END

Items	Sub-items	SCC-B1331P / SCC-B1031P
Image	Device	1/3" Super-HAD IT CCD
Resolution	Horizontal	600 TV Lines
	Vertical	360 TV Lines
Video Output	-	VBS 1.0Vp-p, 75 Ω
S/N Ratio	S/N Ratio	Approx. 52dB
Lens	Lens Drive Type	MANUAL/AI(VIDEO/DC)
	Mount Type	CS/C
Alarm	Input	N/A
	Output	1 Output
Remote Control	Coaxitron (Data On Coax cable)	Yes (with SCX-FD100)
	RS-485	Yes (Multi Protocol, 8ea)
Environmental Conditions	Operating Temperature	-10°C ~ +50°C
	Humidity	Less than 90%



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