

CONNECTING THE CABLES

Connect the power and video cables

Connect the video cable from the monitor and the coaxial video cable attached to the camera body

In case of using DC 12V, connect DC jack from camera with power supply (CLASS 2 ONLY) If necessary, after connecting DC jack from Camera to “ Additional power connector(Accessory)” connect it with power supply.

In case of using AC 24V, after connecting DC jack from camera to “Additional power connector(accessory)” connect it with power supply (CLASS ONLY 2)

Attention

Specification below is recommended as an Output rated capacity of Power supply that is connected to camera

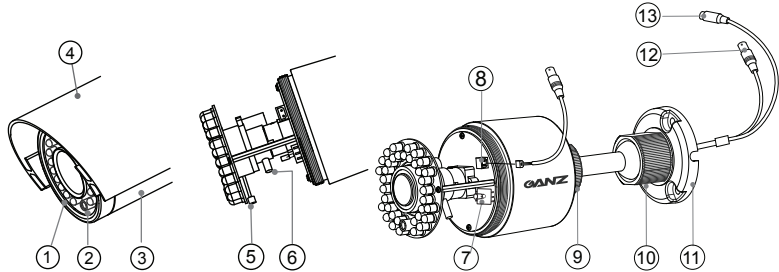
Input power	Voltage	Current
DC12V	DC12V±10%	700mA±10%
AC 24V	AC24V±10%	500mA±10%

Attention

Be sure to check that the cables are connected correctly before turning on the power.
Turning on the power when the cables are connected with incorrect polarity may damage the camera .

PARTS DESCRIPTION

ZC-BT series



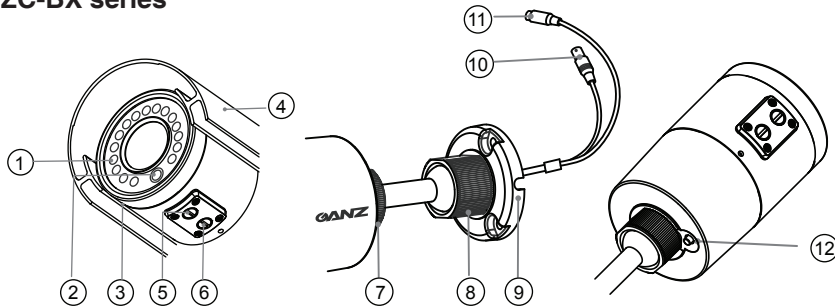
* Unscrew the Front Cover counter-clockwise to open the unit for adjustments. Once adjusted, screw the Front Cover back and tighten it clockwise, and refrain from opening and closing frequently to ensure the best water-proof and condensation free performance.

1. IR LED
2. Photo Sensor
3. Front Cover
4. Sunshield
5. Focus Adjustment Lever
6. View Angle Adjustment Lever
7. Multi Tact Switch for OSD control
8. Service Jack Socket
9. Locking Ring(body)
10. Locking Ring(bracket)
11. Mounting Base
12. Video Output Connector
13. Power Input Jack

* Options

1. Service Monitor cable (ZCA-SM8)
 2. Lens variations
- (Please contact your dealers for more details)

ZC-BX series



*Caution : ZC-BX housing is desinged to adjust focus and focal length externally. Once Front Cover is unlocked for any reason, its outdoor performance can not be guaranteed.

1. IR LED
2. Photo Sensor
3. Front Cover
4. Sunshield
5. Exterior Focus Adjustment Screw
6. Exterior View Angle Adjustment Screw
7. Locking Ring (body)
8. Locking Ring (bracket)
9. Mounting Base
10. Video Output Connector
11. Power Input Jack
12. Multi Tact Switch for OSD control

* Options

Lens variations

(Please contact your dealers for more details)

MODEL

Lens Specification				Camera Models	
Focal Length	D/N	Aperture	View Angle	NTSC	PAL
3~9mm	True	1:1.4~2.4	90~31.8	ZC-BWNT/BNX8039NBA	ZC-BWNT/BWNX8039PBA
3.3~12mm	True	1:1.4~2.9	89.8~23.9	ZC-BWNT/BWNX8312NBA	ZC-BWNT/BWNX8312PBA
9~22mm	True	1:1.4~1.6	32.1~13.1	ZC-BWNT/BWNX8922NBA	ZC-BWNT/BWNX8922PBA

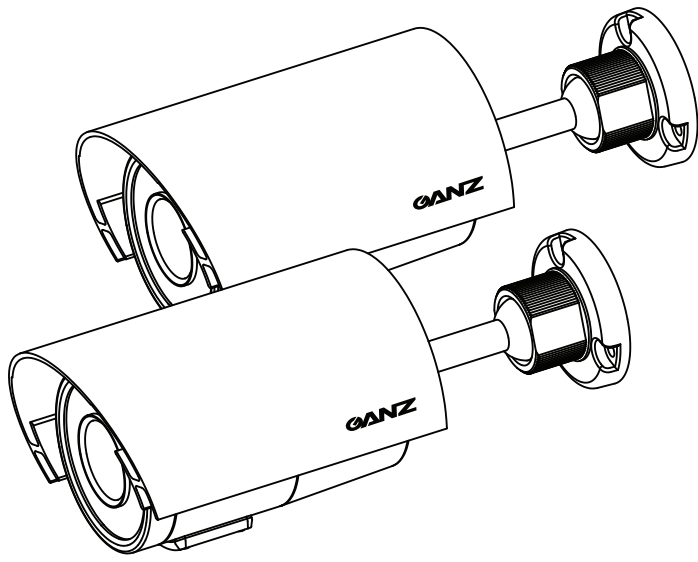
PRODUCT FEATURES

- . PIXIM 1/3” High Sensitivity Digital sensor
- . Built-in “COMPUTAR®” Vari-Focal Lens
- . True Day & Night
- . DC12V or AC24V Operation, Auto-sensing
- . True WDR(Wide Dynamic Range Technology)
- . Photocell Activate IR Lights at Night
- . IP67 rating for all weather performance
- . Back Light Compensation
- . Motion Detection
- . Privacy Masking
- . Digital Noise Reduction(3D)
- . Multi Tact Switch for OSD control

OUTDOOR COLOR CAMERA

ZC-BWT/BWX8000SERIES

INSTRUCTION MANUAL



690TVL Effective

Day & Night
Wide Dynamic Range



Edit : ZC-BWNX8000--WDR-B-U_020112_V1

Thank you for your purchase of this product. Before operating the product, please read this instruction manual carefully to ensure proper use of the product. Please store this instruction manual in a safe place for future reference.

SAFETY PRECAUTIONS

The installation should be made by a qualified service person and should conform to all local codes.

WARNING

This symbol indicates that there is a possibility of death or damage to operator or others.
To prevent fire or electric shock, do not expose this product to rain or moisture.

CAUTIONS

This symbol indicates that there is a possibility of injury or damage to equipment.

- (1) Use only 24V AC power supply marked class 2 or +12V DC regulated power supply marked class 2.
- (2) To prevent fire or electrical shock, UL listed class 2 wiring should be used for the 12V DC or 24V AC input terminal.
- (3) Be sure to connect each lead to the appropriate terminal, wrong connection may cause malfunction and/or damage to the camera.
- (4) Do not attempt to aim the camera at the sun or other extremely bright objects that cause smear to appear irrespective of whether the camera is operating or not. This can damage the CCD (Charge Coupled Device).
- (5) Do not place the camera in the following locations.
 - ① Locations subject to extremely high or low temperatures.
(Operating temperature range : -20°C to +50°C {-4°F to 122°F})
(Storage temperature range : -20°C to +60°C {-4°F to 140°F})
 - ② Locations where there are large amounts of water vapor and steam.
- (6) Ensure the location selected is sufficiently strong enough to support the weight of the camera and is free from vibration.
- (7) When this camera is installed near equipment that emits a strong electromagnetic field, some irregularity such as noise on the monitor screen may happen.
- (8) Be sure to use screws suitable for the type of material to which the camera is being mounted.
- (9) Do not allow the camera to be subjected to strong impacts or shocks. The camera could be damaged by improper handling or storage.
- (10) Never attempt to disassemble or mod
- (11) If an abnormality should occur, immediately turn off the power and consult your dealer.

This device complies with Part 15 of the FCC Rules. Operation is subject to following two conditions:(1) this device may not cause harmful interference.(2) this device must accept any i cause undesired operation received, including interference that may cause undesired operation



The CE Marking is a Directive Conformity mark of the European Union(EU)



English

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the products covered by the European Directive 2002/96/EC. 2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. 3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health. 4. For more detailed information

About disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

Franais/French

Elimination de votre ancien appareil

1. Ce symbole, représentant une poubelle sur roulettes barrée d'une croix, signifie que le produit est couvert par la directive européenne 2002/96/EC. 2. Tous les produits électriques et électroniques doivent être éliminés séparément de la chaîne de collecte municipale des ordures, par l'intermédiaire des installations de collecte prescrites et désignées par le gouvernement ou les autorités locales. 3. Une élimination conforme aux instructions aidera à réduire les conséquences négatives et risques éventuels pour ironement et la santé humaine. 4. Pour plus d'informations concernant l'élimination de votre ancien appareil, veuillez contacter votre mairie, le service des ordures ménagères ou encore le magasin où vous avez acheté ce produit.

Deutsch/German

Entsorgung von Altgeräten

1. Wenn dieses Symbol eines durchgestrichenen Abfalleimers auf einem Produkt angebracht ist, unterliegt dieses Produkt der europäischen Richtlinie 2002/96/EC. 2. Alle Elektro- und Elektronik-Altgeräte müssen getrennt vom Hausmüll über die dafür staatlich vorgesehenen Stellen entsorgt werden. 3. Mit der ordnungsgemäßen Entsorgung des alten Geräts vermeiden Sie Umweltschäden und eine Gefährdung der rsnlichen Gesundheit. 4. Weitere Informationen zur Entsorgung des alten Geräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungsamt oder in dem Geschäft, wo Sie das Produkt erworben haben.

Italiano/Italian

RAEE: SMALTIMENTO DELLE VOSTRE VECCHIE APPARECCHIATURE

1. Quando il simbolo del "Cassonetto Barrato" è apposto su un prodotto, significa che lo stesso può cadere nei termini previsti dalla Direttiva Europea nr. 2002/96/EC in funzione dell'attuazione definita dalla Legislazione dei singoli stati membri dell'Unione Europea. 2. Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente dai rifiuti municipali, tramite appositi ontentori, approvati dall'Amministrazione Comunale o dalle Autorità Locali. 3. Il corretto smaltimento delle vostre vecchie apparecchiature, contribuirà a prevenire possibili conseguenze di impatto egativo sull'ambiente e per la salute dell'uomo. 4. Per maggiori informazioni circa lo smaltimento delle vostre vecchie apparecchiature, siete pregati di contattare l'ufficio municipale della vostra città, il servizio di smaltimento rifiuti o il punto vendita nel quale avete acquistato il prodotto.

Polski/Polish

Utylizacja starych urządzeń

1. Kiedy do produktu dołączony jest niniejszy przekreślony symbol kołowego pojemnika na śmieci, oznacza to, że produkt jest objęty europejską dyrektywą 2002/96/EC. 2. Wszystkie elektryczne i elektroniczne produkty powinny być utylizowane niezależnie od odpadów miejskich, wykorzystaniem przeznaczonych do tego miejsc składowaniaweznaczonych przez rząd lub miejscowe władze. 3. Właściwy sposób utylizacji starego urządzenia pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko. 4. Aby uzyskać więcej informacji o sposobach utylizacji starych urządzeń, należy skontaktować się z władzami lokalnymi, przedsiębiorstwem zajmującym się utylizacją odpadów lub sklepem, w którym produkt zostałakupiony.

Portugu s/Portuguese

Eliminação do seu antigo aparelho

1. Quando este símbolo de latão cruzado estiver afixado a um produto, significa que o produto é abrangido pela Directiva Europeia 002/96/EC. 2. Todos os produtos eléctricos e electrónicos devem ser eliminados separadamente da coleta de lixo municipal através de pontos de recolha designados, facilitados pelo governo ou autoridades locais. 3. A eliminação correcta do seu aparelho antigo ajuda a evitar potenciais consequências negativas para o ambiente e para a saúde humana. 4. Para obter informações mais detalhadas acerca da eliminação do seu aparelho antigo, contacte as autoridades locais, um service de eliminação de resíduos ou a loja onde comprou o produto.

Espa ol/Spanish

Cómo deshacerse de aparatos eléctricos y electrónicos viejos

1. Si en un producto aparece el símbolo de un contenedor de basura tachado, significa que éste se acoge a la Directiva 2002/96/EC. 2. Todos los aparatos eléctricos o electrónicos se deben desechar de forma distinta del servicio municipal de recogida de basura, a través de puntos de recogida designados por el gobierno o las autoridades locales. 3. La correcta recogida y tratamiento de los dispositivos inservibles contribuye a evitar riesgos potenciales para el medio ambiente y la salud pública. 4. Para obtener más información sobre cómo deshacerse de sus aparatos eléctricos y electrónicos viejos, póngase en contacto con su ayuntamiento, el servicio de recogida de basuras o el establecimiento donde adquirió el producto.

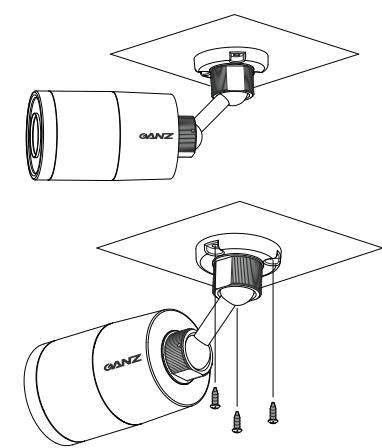


CBC Co., Ltd
Tokyo, Japan
www.GANZ.jp

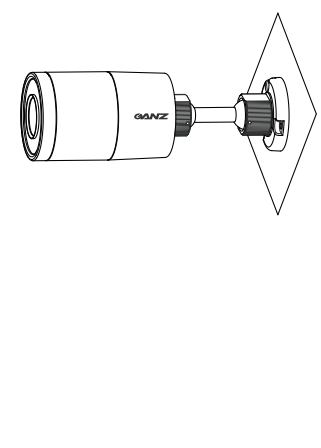
ENGLISH

INSTALLATION

Attaching to the ceiling



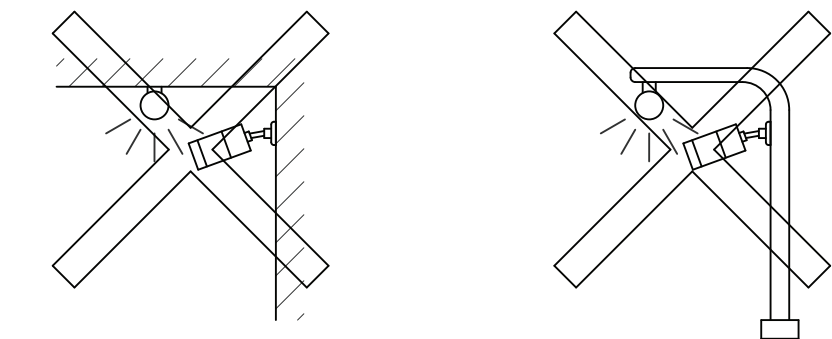
Attaching to the wall



* Attaching to the ceiling or wall
This section explains how to install the unit where cables are running through the interior of the ceiling or wall.

1.Drilling holes in the ceiling or wall:
Use the template included to mark out the position on the ceiling or wall where you want to install the unit.

2.When running cables through the interior of the ceiling or wall :
Use the template, and drill three holes for screws used to attach the camera body and one hole for the cables (Cables).

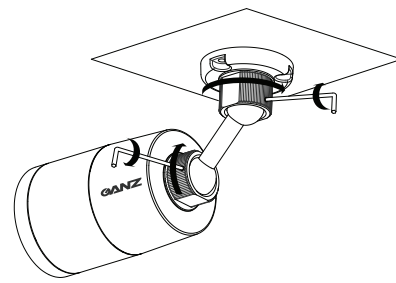


* Special instruction
To ensure the best low light performance, this camera has IR LED device to change automatically to night mode when the environment gets dark. If the high light source or some object reflecting very bright light is placed within 1m from the installed camera, it interferes with IR LED performance so that Day & Night function may not perform well. Ensure that the field conditions are suitable before installing the camera unit.

ADJUSTMENT

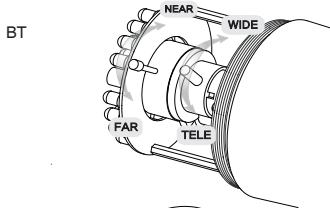
1. Direction and Lens

Adjusting the camera direction



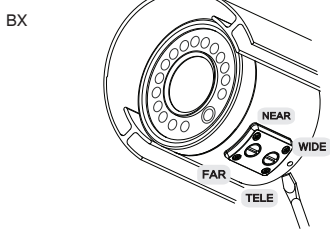
This camera can be adjusted easily for viewing in all directions.
After attaching the camera on the wall or ceiling, adjust camera for the desired direction.
Then tighten each locking ring and lock rings with allen wrench as shown in picture.

Adjusting the view angle and focus



For ZC-BT series

- 1) Move the lever to adjust focus and zoom after taking off the Front Cover
- 2) Turn focus and zoom levers in clockwise direction to fix the positions

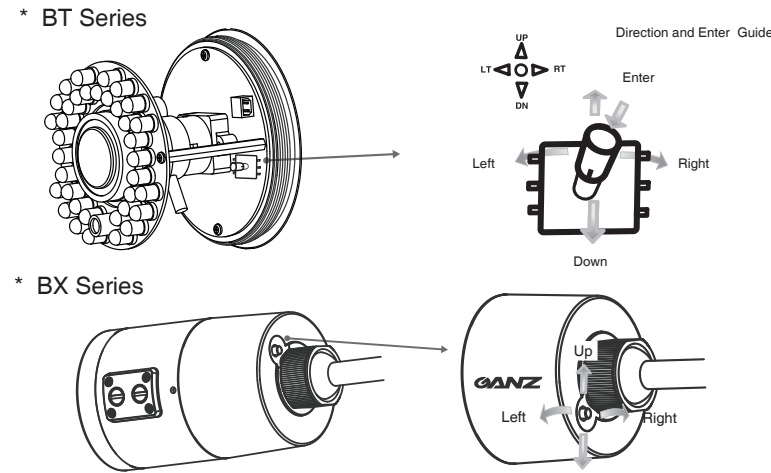


For ZC-BXseries

Turn the exterior Focus and Angle of viewing Screw to make adjust by screwdriver.

2. OSD Switch and OSD Menu

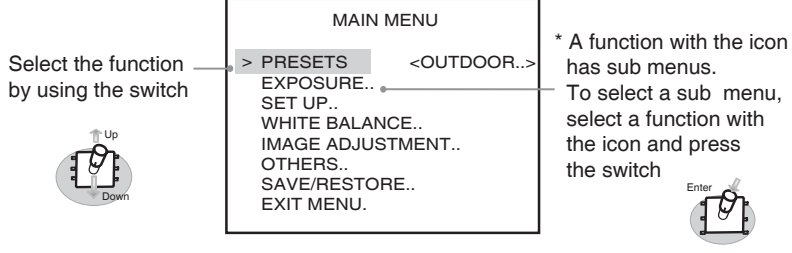
Use the Multi Tact Switch within the camera



OSD MENU FUNCTION	
PRESETS	INDOOR NORMAL OUTDOOR OUTDOOR-EX
EXPOSURE	COLOR ROLL AGC D/N CONTROL SENSE-UP
SETUP	IRIS FOCUS
WHITE BALANCE	ATW1 ATW2 AWB MANUAL
IMAGE ADJUSTMENT	SHARPNESS COLOR LEVEL DNR
OTHERS	PRIVACY MASK ID SETUP MOTION DETECTION
SAVE/RESTORE	SAVE USER SETTINGS RESTORE USER SETTINGS RESTORE FACTORY SETTINGS RESET CAMERA PREV
EXIT MENU	

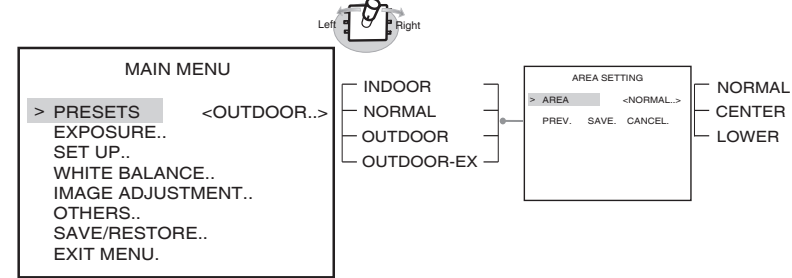
* START MAIN MENU

Press the Middle Multi Tact Switch for about 2 seconds, the main setup menu is displayed on the monitor screen

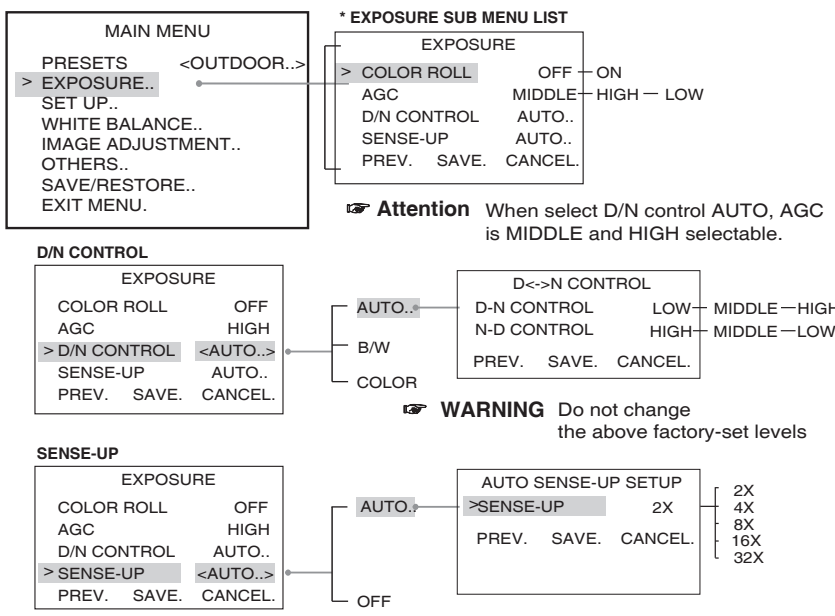


1) PRESETS

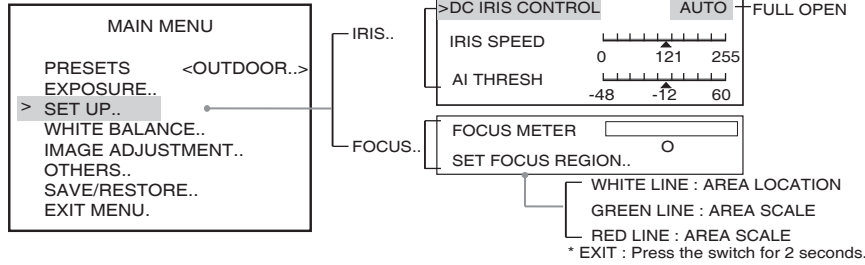
Turn the Switch toward Left or Right side



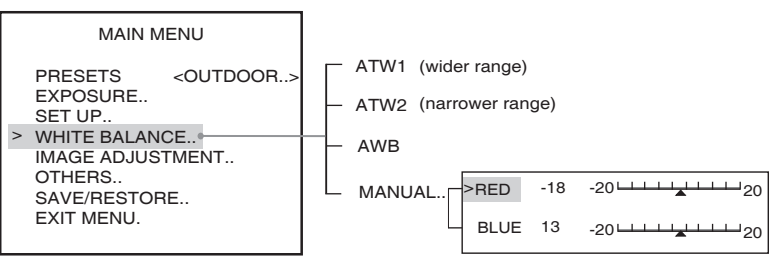
2) EXPOSURE



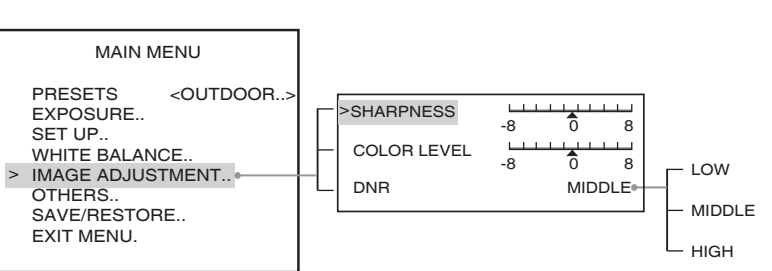
3) SET UP



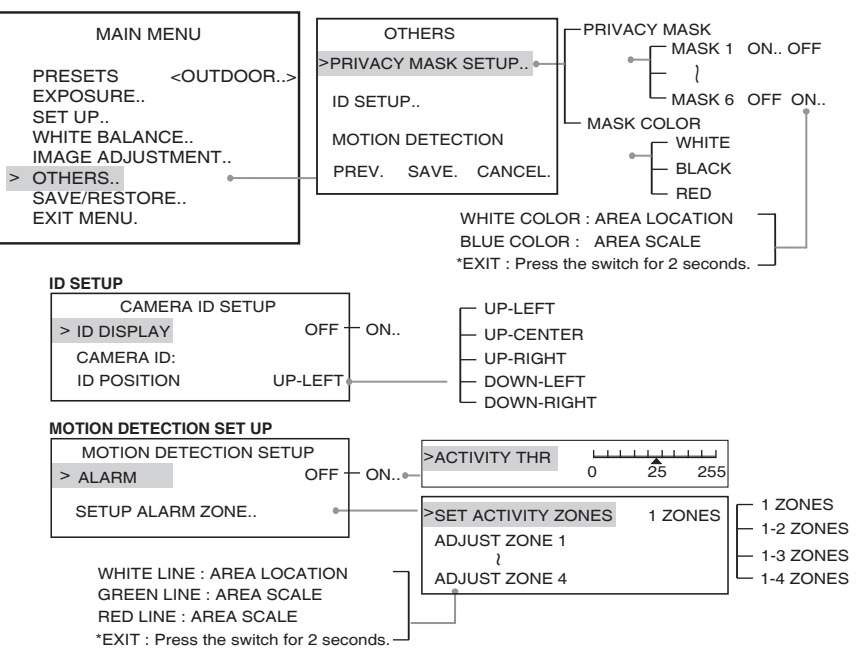
4) WHITE BALANCE



5) IMAGE ADJUSTMENT



6) OTHERS



7) SAVE/RESTORE

