

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

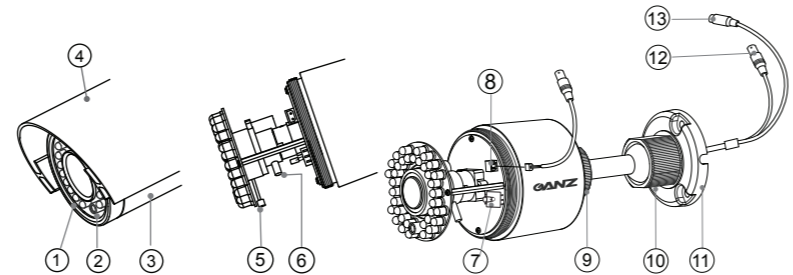
| Input power | Voltage | Current |
|-------------|-----------|-----------|
| DC12V | DC12V±10% | 700mA±10% |
| AC 24V | AC24V±10% | 500mA±10% |

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 .

PART DESCRIPTION

ZC-BT series



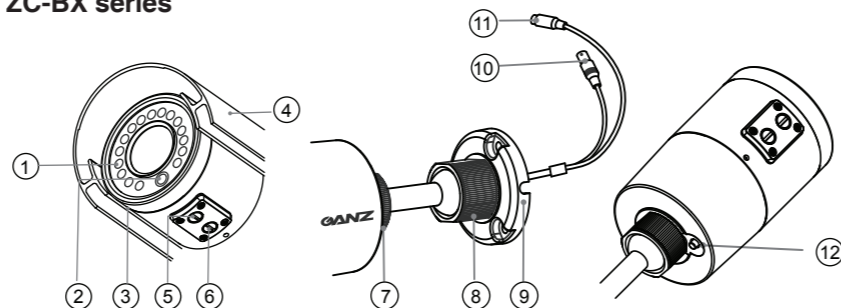
* Unscrew the Front Cover counter-clockwise to open the unit for adjustments. Once adjusted, screw the Front Cover back and tighten it clockwise, and refrain from opening and closing frequently to ensure the best water-proof and condensation free performance.

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

* Option

1. Service Monitor cable
 2. Heater
 3. 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

* Option

1. Heater
 2. Lens variations
- (Please contact your dealers for more details)

MODEL DESCRIPTION

| Lens Specification | | | | Camera Models | |
|--------------------|---------|-----------|------------|-------------------|-------------------|
| Focal Length | D/N | Aperture | View Angle | NTSC | PAL |
| 3-9mm | Digital | 1:1.2-2.1 | 90-31.8 | ZC-BT/BX8039NBA | ZC-BT/BX8039PBA |
| | True | 1:1.4-2.4 | | ZC-BNT/BNX8039NBA | ZC-BNT/BNX8039PBA |
| 3.3-12mm | Digital | 1:1.4-2.9 | 89.8-23.9 | ZC-BT/BX8312NBA | ZC-BT/BX8312PBA |
| | True | | | ZC-BNT/BNX8312NBA | ZC-BNT/BNX8312PBA |
| 9-22mm | Digital | 1:1.4-1.6 | 32.1-13.1 | ZC-BT/BX8922NBA | ZC-BT/BX8922PBA |
| | True | | | ZC-BNT/BNX8922NBA | ZC-BNT/BNX8922PBA |

PRODUCT FEATURES

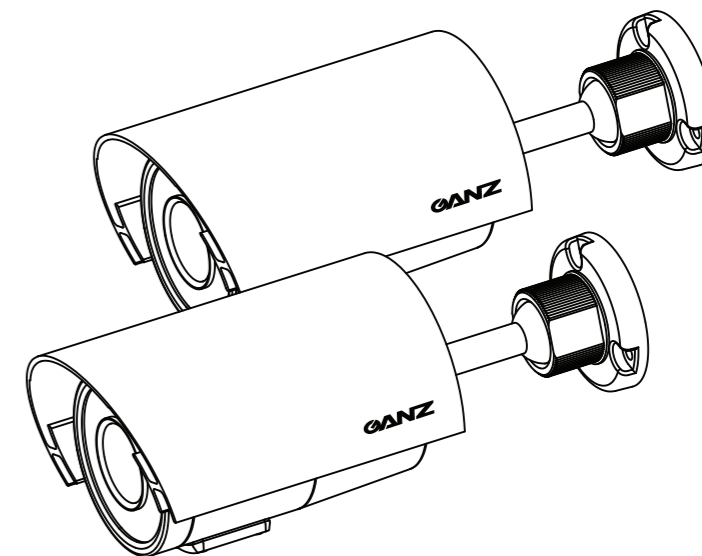
- 1/3" SONY Super HAD-II CCD
- Built-in "COMPUTAR®" Vari-Focal Lens
- True or Digital Day & Night
- DC12V or AC24V Operation, Auto-sensing
- Photocell Activate IR Lights at Night
- IP67 rating for all weather performance
- Digital WDR(Wide Dynamic Range)
- IR Smart
- Back Light Compensation
- High Light Compensation
- Motion Detection
- Privacy Masking
- Digital Noise Reduction(2D)
- Lens Shading Compensation
- Low Power Consumption
- Multi Tact Switch for OSD control

SPECIFICATION

| TV System | NTSC | PAL |
|-----------------------|--|---|
| Scanning System | 2 : 1 Interlace | |
| Image Sensor | 1/3" Type Inter line transfer CCD(Sony HAD II CCD) | |
| Effective Elements | 768(H) x 494(V) | 752(H) x 582(V) |
| Scanning Frequency | 15.734kHz(H) x 59.94Hz(V) | 15.625kHz(H) x 50.00Hz(V) |
| Video Output | 1.0Vp-p/75Ω | |
| Horizontal Resolution | More than 600 TVL | |
| Minimum Illumination | 0lx (B/W Mode/LED On) | |
| Day/Night | Digital or True Day/ Night | |
| S/N Ratio | More than 50dB(at minimum AGC gain) | |
| Gamma Characteristic | 0.45 | |
| Sync. System | Internal only | |
| Electronic Shutter | 1/60 sec, FLK, 1/60 ~1/100,000(Selectable) | 1/50 sec, FLK, 1/50 ~1/100,000(Selectable) |
| White Balance | ATW1, ATW2, AWC, Manual (Selectable) | |
| Power Supply | AC24V±10% 60Hz±1Hz, DC12V±10% | AC24V±10% 50Hz±1Hz, DC12V±10% |
| Power Consumption | 5.7 Watt(AC24V), 6.5 Watt(DC12V) | |
| Ambient Temperature | Operation : -20°C to +50°C / Storage : -20°C to +60°C | |
| Ambient Humidity | Operation : Max. 85%RH / Storage : Max. 95%RH | |
| External Dimensions | 209mm(L) X 72φ (not included sun shield) | |
| Weight | Approx. 750g(Included sun shield) | |
| Switch | Multi Tact Switch for OSD control | |
| Accessories | Self-tapping Screw : 3ea, Template : 1ea, Instruction Manual : 1ea, Additional Power Connector: 1ea | |

*The specifications and/or appearance of the product may change without a prior notice

OUTDOOR COLOR CAMERA ZC-BT/BX 8000 SERIES INSTRUCTION MANUAL



600TVL High Resolution

Color / Day & Night



ENGLISH

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
Élimination 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 les risques éventuels pour l'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 rñsñlichen 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 ricadere nei termini previsti dalla Direttiva Europea n. 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 ontenitori, 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 urzãdzeń
1. Kiedy do produktu dołączony jest niniejszy przekreślony symbol kołowego pojemnika na śmieci, oznacza to, że produkt jest objęty europejską dyrektywã 2002/96/EC. 2. Wszystkie elektryczne i elektroniczne produkty powinny byç uylizowane niezaleźnie od odpadów mieszkaniowych, z wykorzystaniem przeznaczonych do tego miejsc składowaniawskazanych przez rząd lub miejscowe władze. 3. Właściwy sposób uylizacji starych urzãdzeñ pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko. 4. Aby uzyskać więcej informacji o sposobach uylizacji starych urzãdzeñ, należy skontaktować się z władzami lokalnymi, przedsiębiorstwem zajmującym się uylizacją 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 desecar 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.



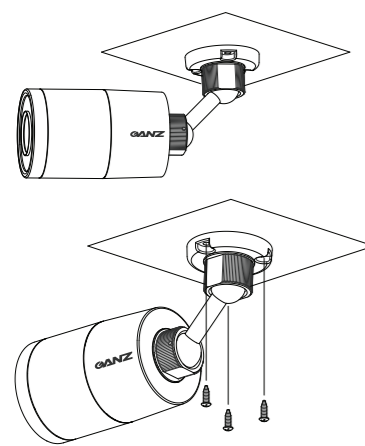
CBC Co., Ltd
Tokyo, Japan
www.GANZ.jp



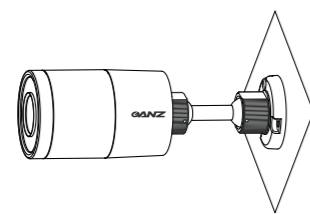
The CE Marking is a Directive Conformity mark of the European Union(EU)

INSTALLATION

Attaching to the ceiling



Attaching to the wall



* Attaching to the ceiling or wall

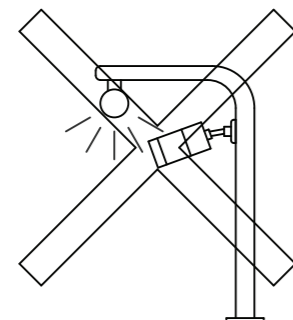
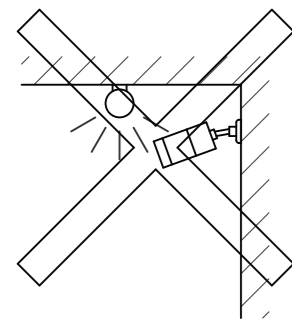
This section explains how to install the unit where cables are running through the interior of the ceiling or wall.

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 to attach the camera body and one hole for the cables (Cables).



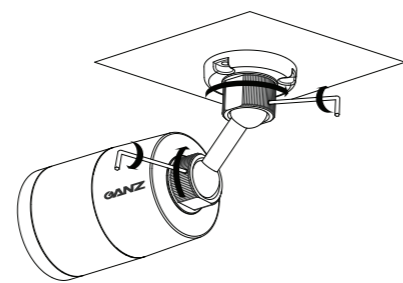
* Special instruction

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

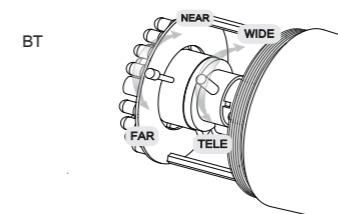
1. Direction and Lens

Adjusting the camera direction



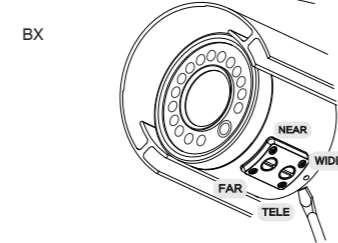
This camera can be adjusted easily for viewing in all directions. After attaching the camera on the wall or ceiling, adjust camera for the desired direction. Then tighten each locking ring and lock rings with allen wrench as shown in picture.

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



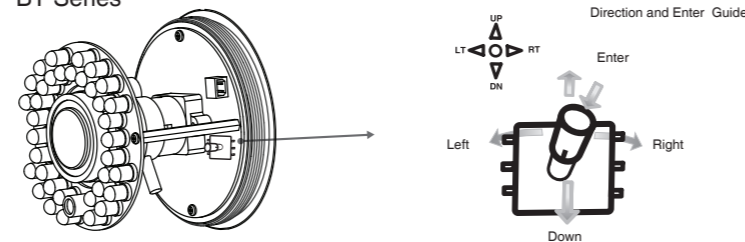
For ZC-BXseries

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

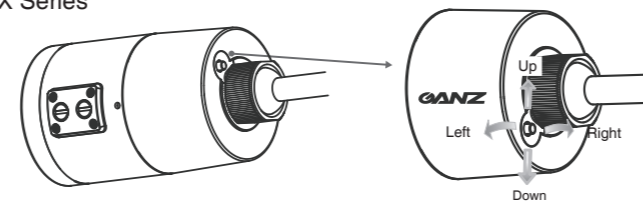
2. OSD Switch and OSD Menu

Use the Multi Tact Switch within the camera

* BT Series



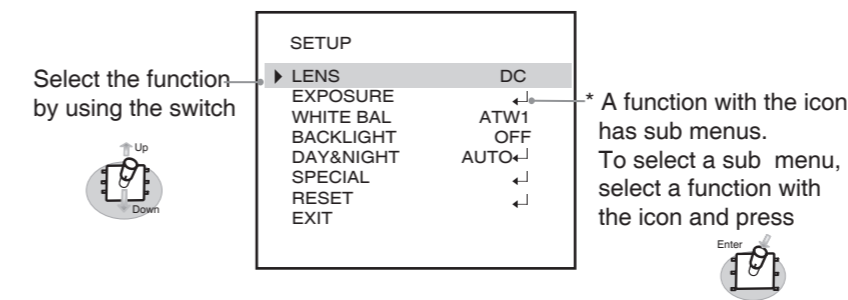
* BX Series



| OSD MENU FUNCTION | |
|-------------------|--|
| LENS | DC MANUAL |
| EXPOSURE | SHUTTER BRIGHTNESS AGC DWDR |
| WHITE BAL | ATW1 ATW2 AWC->SET MANUAL |
| BACKLIGHT | OFF BLC HLC |
| DAY&NIGHT | AUTO COLOR B/W EXT |
| SPECIAL | CAM TITLE MOTION PRIVACY IMAGE ADJ DPC LANGUAGE VERSION |
| RESET | FACTORY |
| EXIT | |

* START SET UP MENU

Press the Middle Multi Tact Switch, the main setup menu is displayed on the monitor screen

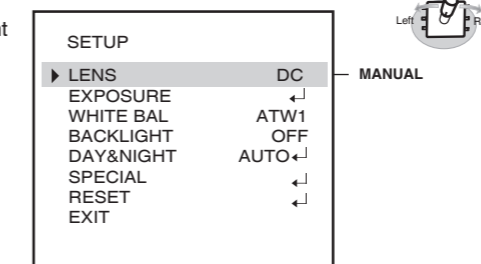


1) LENS

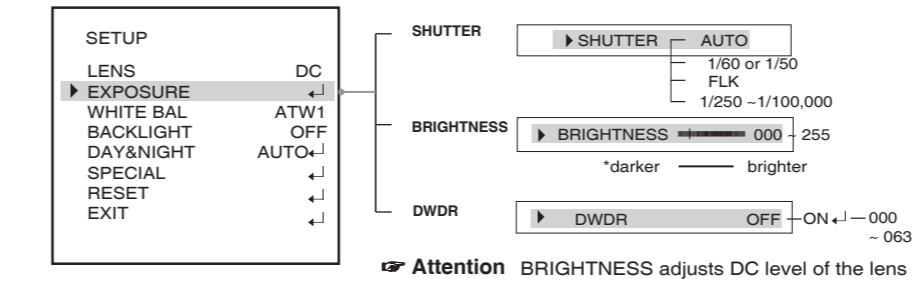
Turn the Switch toward Left or Right side, Select DC or MANUAL

* Simply make the adjustment in the following order to help make the focusing easier:

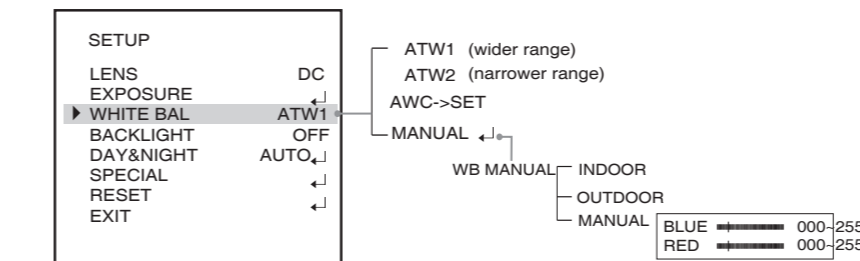
- Select MANUAL
- Adjust lens focus well
- Then return to DC



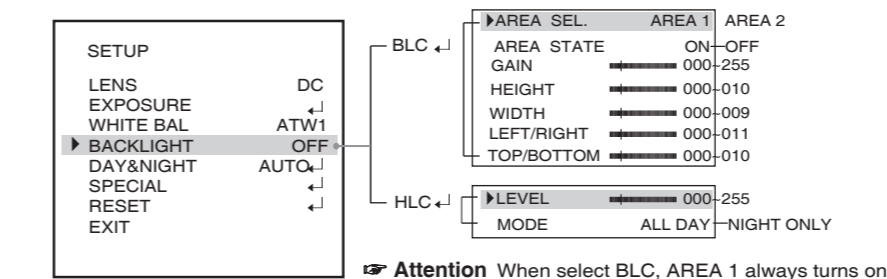
2) EXPOSURE



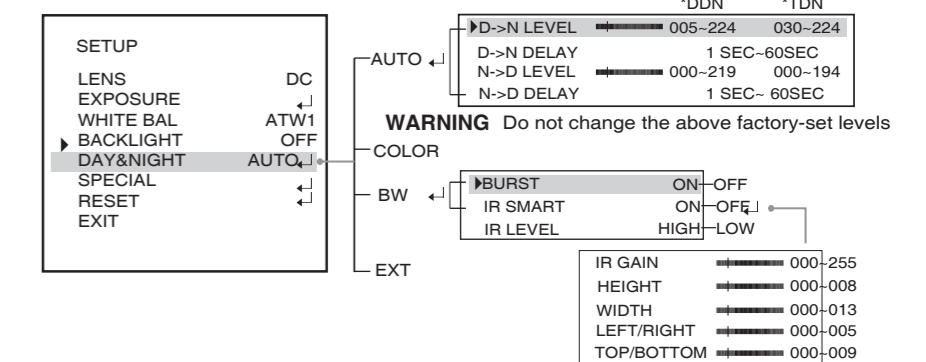
3) WHITE BALANCE



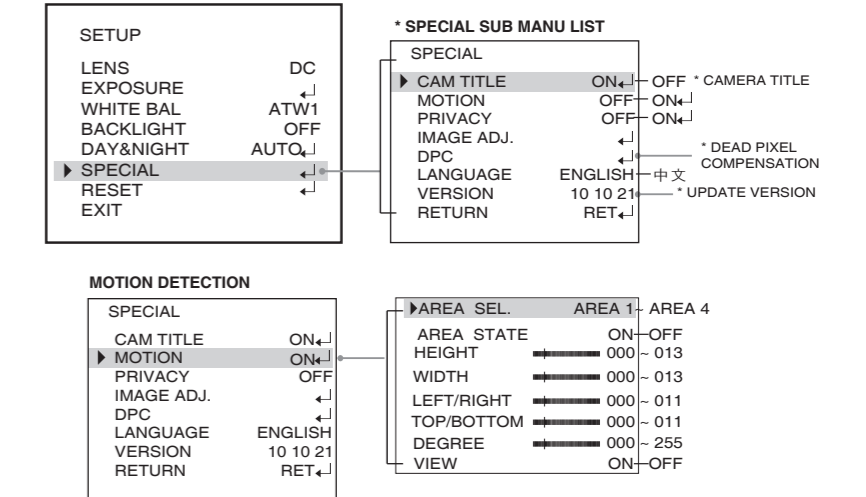
4) BACKLIGHT



5) DAY&NIGHT



6) SPECIAL



PRIVACY MASKING

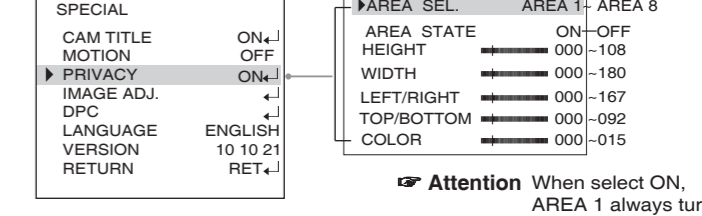
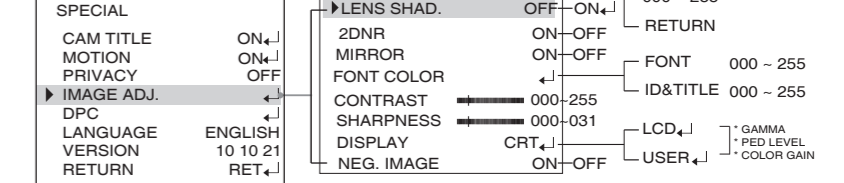


IMAGE ADJUST



7) RESET & EXIT

