

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
DC 12V	DC 12V±10%	250mA±10%
AC 24V	AC 24V±10%	250mA±10%

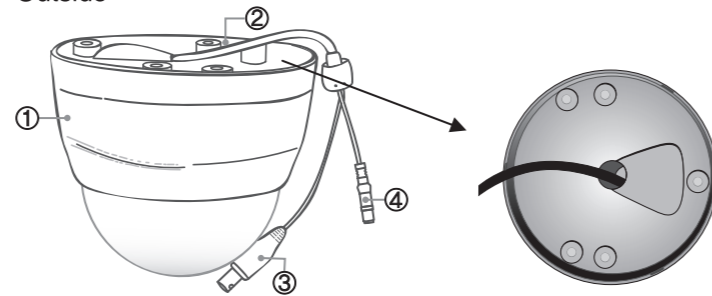
Attention

Be sure to check that the cables are connected correctly before turning on the power.

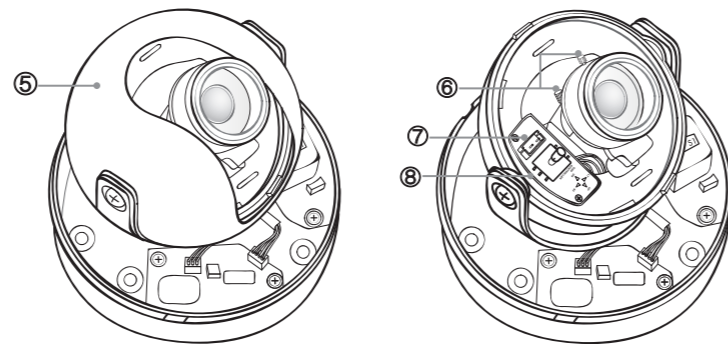
Turning on the power when the cables are connected with incorrect polarity may damage the camera .

PARTS DESCRIPTION

Outside



Inside



Turn Top Cover counter-clockwise to open the unit for adjustments Once adjusted, turn the top Cover back and tighten it clockwise.

1. Top Cover
2. Bottom Cover
3. Video Output Connector
4. Power input Jack
5. Inner Cover
6. Focus and View Angle Adjust Lever
7. Service Monitor Jack
8. Multi Tact Switch

Option

1. UTP board
 2. Service monitor cable
 3. Pendant mount
 4. Flush Mount Kit
 5. 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-DW8039NBA	ZC-DW8039PBA
	True	1:1.4~2.4		ZC-DWN8039NBA	ZC-DWN8039PBA
3.3~12mm	Digital	1:1.4~2.9	89.8~23.9	ZC-DW8312NBA	ZC-DW8312PBA
	True			ZC-DWN8312NBA	ZC-DWN8312PBA
2.5~6mm	Digital	1:1.2~1.8	111.6~47.3	ZC-DW8026NBA	ZC-DW8026PBA
	True			ZC-DWN8026NBA	ZC-DWN8026PBA
9~22mm	Digital	1:1.4~1.6	32.1~13.1	ZC-DW8922NBA	ZC-DW8922PBA
	True			ZC-DWN8922NBA	ZC-DWN8922PBA

PRODUCT FEATURES

- PIXIM 1/3" High Sensitivity Digital sensor
- Built-in "COMPUTAR" Vari-Focal Lens
- True or Digital Day & Night
- DC12V or AC24V Operation, Auto-sensing
- True WDR(Wide Dynamic Range Technology)
- Back Light Compensation
- Motion Detection
- Privacy Masking
- Digital Noise Reduction(3D)
- Multi Tact Switch for OSD control

SPECIFICATION

TV System	NTSC	PAL
Scanning System	2 : 1 Interlace	
Image Sensor	1/3" PIXIM DPS Sensor (Seawolf)	
Effective Elements	758(H) x 540(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	690 TVL effective	
Minimum Illumination (F1.4)	D-DN:0.4lx(Sense-up max.0.25lx), T-DN:0.04lx(Sens-up max.0.0025lx)	
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	1/25 ~ 1/30,720 second	
White Balance	ATW, AWB	
Power Supply	AC24V±10% 60Hz±1Hz, DC12V±10%	AC24V±10% 50Hz±1Hz, DC12V±10%
Power Consumption	2.9 Watt (AC24V), 2.6 Watt (DC12V)	
Ambient Temperature	Operation : -10°C to +50°C / Storage : -20°C to +60°C	
Ambient Humidity	Operation : Max. 85%RH / Storage : Max. 95%RH	
External Dimensions	122mm(W) x 108.3mm(H)	
Weight	Approx. 280g	
Switch	Multi Tact Switch for OSD control	
Accessories	Self-tapping Screw : 3ea, Template : 1ea, Instruction Manual : 1ea, Additional Power Connector: 1ea	

INDOOR COLOR CAMERA ZC-DW8000 SERIES INSTRUCTION MANUAL



690TVL Effective

Color/ Day & Night
Wide Dynamic Range



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
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 l'environnement 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 rsonlichen Gesundheit. 4. Weitere Informationen zur Entsorgung des alten Geräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungssamt oder in dem Geschäft, wo Sie das Produkt erworben haben.

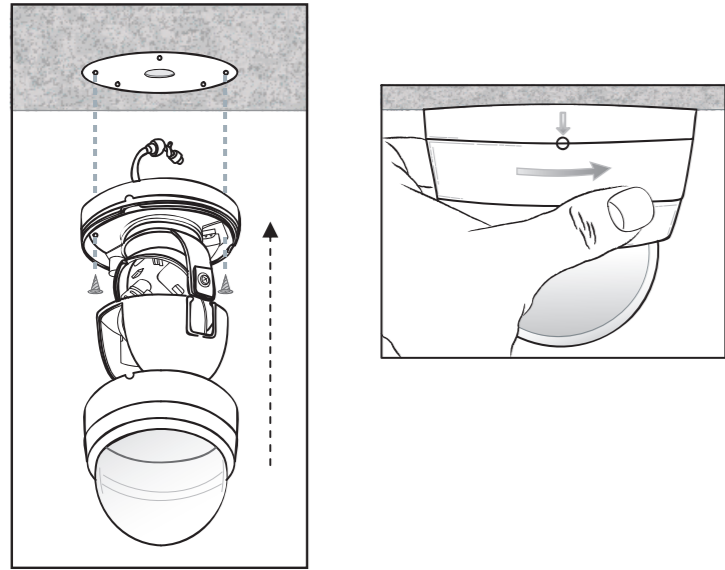
Italiano/Italian
RAEE: SMALTIMENTO DELLE VOSTRE VECCHIE APPARECCHIATURE
1. Quando il simbolo del "Cassonetto Barrato" è apposto su un prodotto, significa che lo stesso può ricadere nei termini previsti dalla Direttiva Europea nr. 2002/96/EC in funzione dell'attuazione definita dalla Legislazione dei singoli stati membri dell'Unione Europea. 2. Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente dai rifiuti municipali, tramite appositi contenitori, 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 uylizowane niezależnie od odpadów miejskich, z wykorzystaniem przeznaczonych do tego miejsc składowaniawskazanych przez rząd lub miejscowe władze. 3. Właściwy sposób uylizacji starego urządzenia pomoże zapobiec potencjalnie negatywnemu wpływowi na zdrowie i środowisko. 4. Aby uzyskać więcej informacji o sposobach uylizacji starych urządzeń, 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 latao 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 onsequências 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.

INSTALLATION



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.

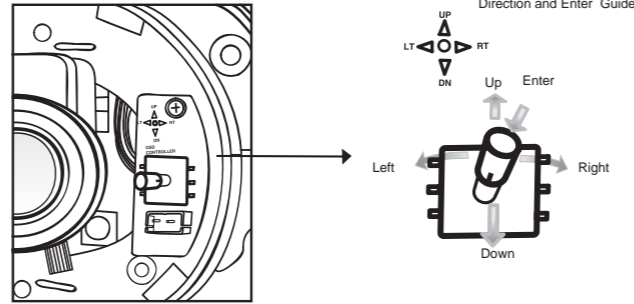
- Drilling holes in the ceiling or wall:

Use the template included to mark out the position on the ceiling or wall where you want to install the unit.

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

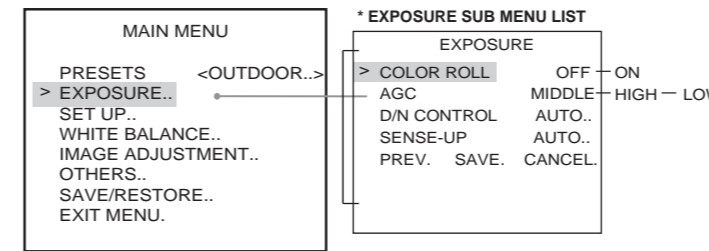
2. OSD Switch and OSD Menu

Use the Multi Tact Switch within the camera

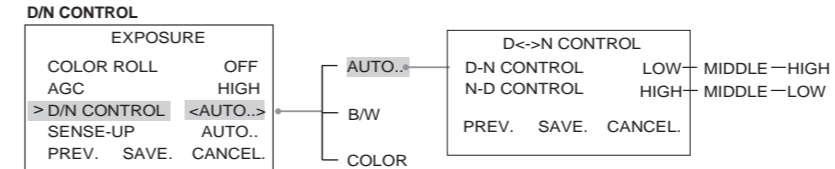


OSD MENU FUNCTION	
PRESETS	INDOOR NORMAL OUTDOOR OUTDOOR-EX
EXPOSURE	COLOR ROLL AGC D/N CONTROL SENSE-UP
SETUP	IRIS FOCUS
WHITE BALANCE	ATW1 ATW2 AWB MANUAL
IMAGE ADJUSTMENT	SHARPNESS COLOR LEVEL DNR
OTHERS	PRIVACY MASK ID SETUP MOTION DETECTION
SAVE/RESTORE	SAVE USER SETTINGS RESTORE USER SETTINGS RESTORE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

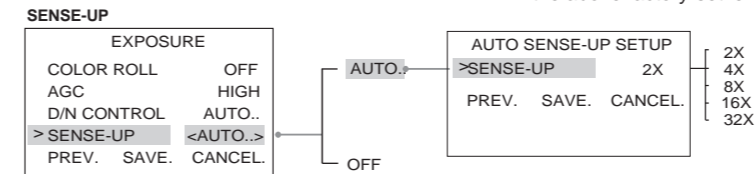
2) EXPOSURE



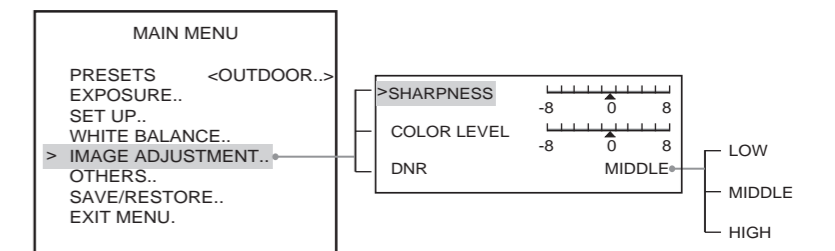
Attention When select D/N control AUTO, AGC is MIDDLE and HIGH selectable.



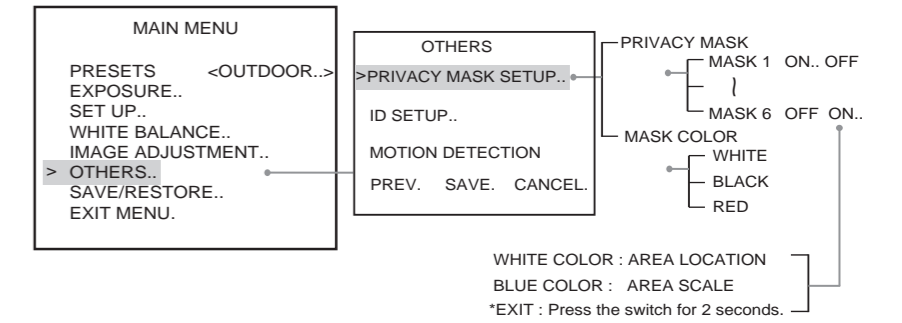
WARNING Do not change the above factory-set levels



5) IMAGE ADJUSTMENT



6) OTHERS

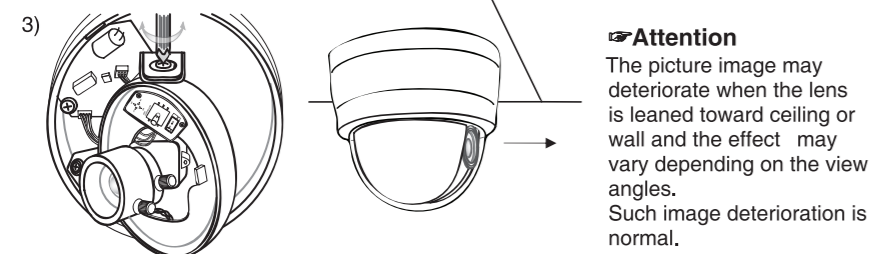
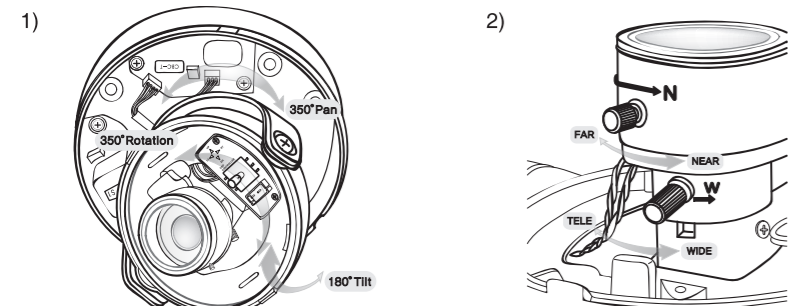


ADJUSTMENT

1. Direction and Lens

The camera body is set in a tri-axial mounting allowing movement in the pan, tilt and rotational planes.

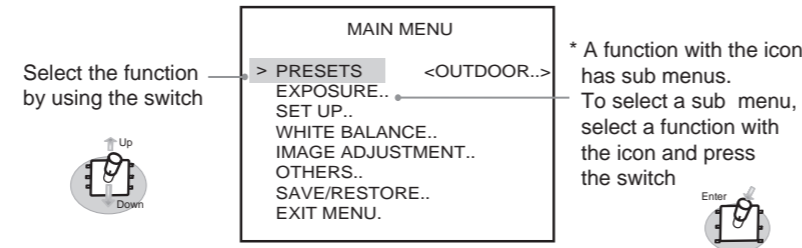
- 1) Adjust the direction of the lens so it faces the subject
- 2) Move the lever to adjust focus and angle of view
- 3) When you finished adjusting the direction of the lens, tighten the locking screw with a screwdriver.



Attention
The picture image may deteriorate when the lens is leaned toward ceiling or wall and the effect may vary depending on the view angles. Such image deterioration is normal.

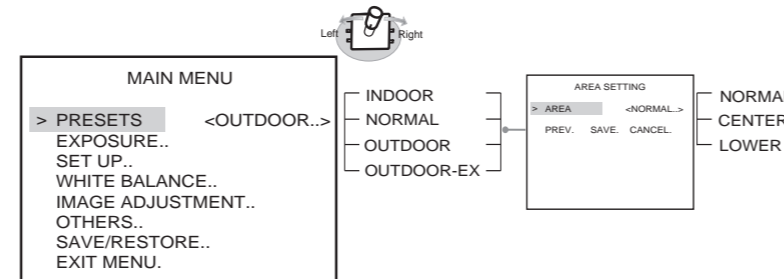
* START MAIN MENU

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

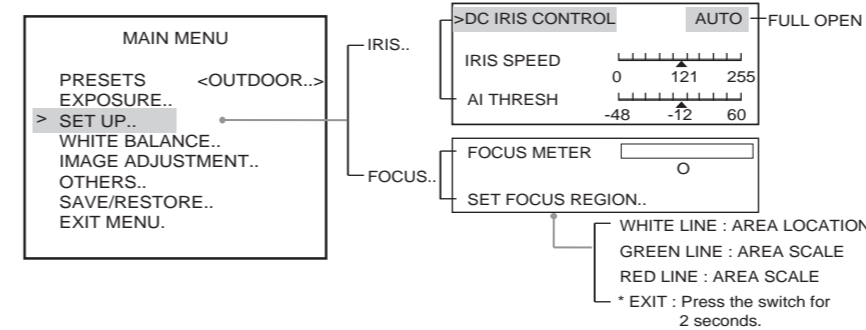


1) PRESETS

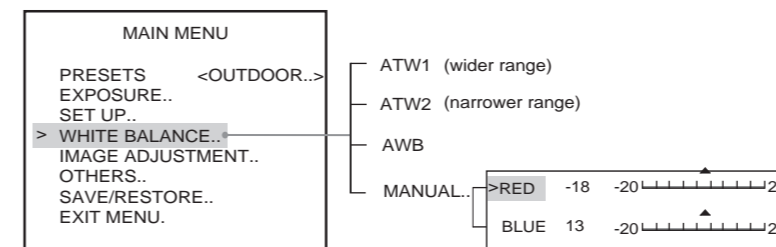
Turn the Switch toward Left or Right side



3) SETUP



4) WHITE BALANCE



7) SAVE/RESTORE

