

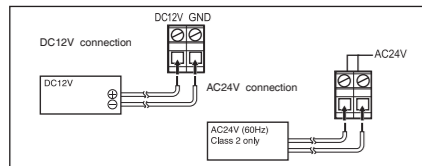
CONNECTING THE CABLES

Connect the Video Output Connector

Connect the video cable from the monitor and the Video Output Connector attached to the camera body.

Connect the Power Input Terminal

Use only with a AC24V power supply marked class 2 or DC12V power supply



* When connecting a cable to a power cable terminal, peel off the cable by 11 mm from the end.



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%

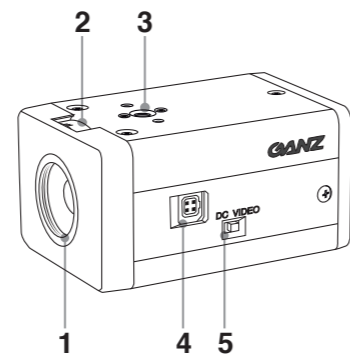
Attention

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

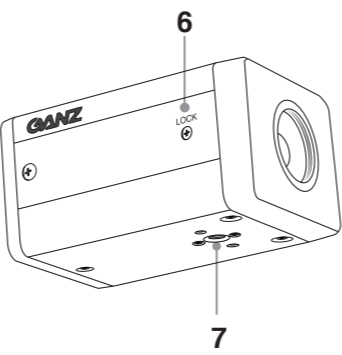
Turning on the power when the cables are connected with incorrect polarity may damage the camera .

PARTS DESCRIPTION

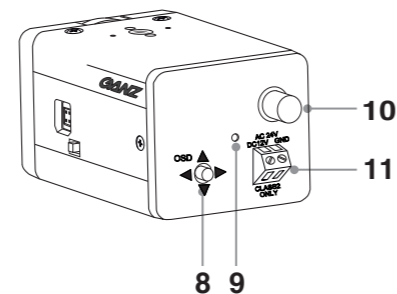
Top



Bottom



Rear



1. CS-Mount Holder
2. Flange Back Adjustment Wheel
3. Top Tripod Screw
4. Auto-Iris Output Connector
5. Auto-Iris Mode Switch
6. Flange Back Lock Screw
7. Bottom Tripod Screw
8. Multi Tact Switch
9. Power On/Off Indication
10. Video Output Connector
11. Power Input Terminal

OPTIONS

Please contact your dealers for more details of the following options.

1. RS485 (Factory Option)

MODELS

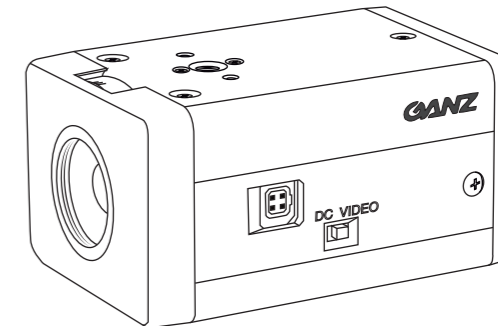
Models		
D/N	NTSC	PAL
Digital	YCB-08	ZC-YB280P
True	YCB-08N	ZC-NB280P

* Optional RS485 models : suffix "R" to the above model names (such as YCB-08R)

PRODUCT FEATURES

- True or Digital Day & Night
- Auto-sensing DC12V/AC24V Dual-Voltage Operation(standard)
- Digital WDR(Wide Dynamic Range)
- Back Light Compensation
- High Light Compensation
- Motion Detection
- Privacy Masking
- 2D Digital Noise Reduction (2DNR)
- Lens Shading Compensation
- Low Power Consumption
- Multi Tact Switch for OSD control
- Easy Flange back adjustment Structure
- Iris Mode Selection

CS-MOUNT COLOR CAMERA YCB-08 SERIES ZC-YB/NB280 SERIES INSTRUCTION MANUAL



600TVL High Resolution

Color / Day & Night



Edit : YCB-08-600-CS-U_220612_V1

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 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 Abfallweimers 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 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 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 utylizowane niezależnie od odpadów miejskich, z wykorzystaniem przeznaczonych do tego miejsc składowania wskazanych 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 został zakupiony.

Portugu al/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 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.

(for PAL models)



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

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(F1.4)	D-DN:0.4lx T-DN:0.04lx	
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	AC DC	AC24V±10% 50Hz/60Hz±1Hz DC12V±10%
Power Consumption	3 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	62mm(W) x 53mm(H) x 96(L)	
Weight	Approx. 250g	
Iris Control	DC Iris	DC-Drive Auto-Iris Lens
	AES	Fixed Iris Lens
	Video Iris	Video-Drive Auto-Iris Lens
Switches	OSD	Multi Tact Switch
	Iris Mode	Slide Switch
Input & Output Terminal	Video Output	BNC
	Power Supply	2P
	Auto-Iris	4P Connector
Accessories	Instruction Manual : 1ea, Iris Pin Connector: 1ea	

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

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.

<p>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.</p>
<p>Attention This symbol indicates that there is a possibility of injury or damage to equipment.</p>

- (1) Use only AC24V power supply marked class 2 or +DC12V regulated power supply marked class 2.
- (2) To prevent fire of electrical shock, UL listed class 2 wiring should be used for the DC12V or AC24V 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 location.
 - 1) Locations subject to extremely high or low temperature. (Operating temperature range : -10°C to +50°C (14°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 near equipment that emits a strong electromagnetic field, some irregularity such as noise on the monitor screen may happen.
- (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 modify the camera.
- (11) If an abnormality should occur, immediately turn off the power and consult your dealer.

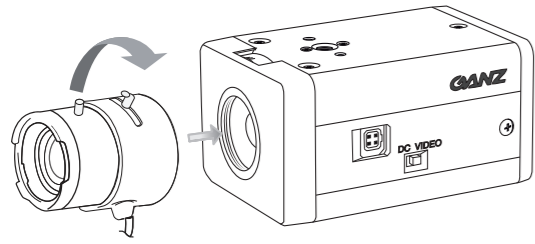
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)This device must accept any interference received, including interference that may cause undesired operation. (for NTSC models)



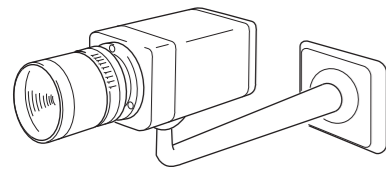
The CE Marking is a Directive Conformity mark of the European Union(EU) (for PAL models)

INSTALLATION

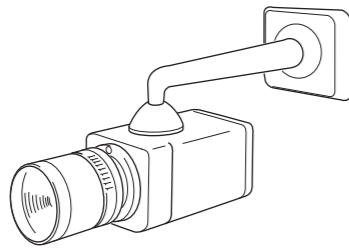
Lens installation



Bottom installation

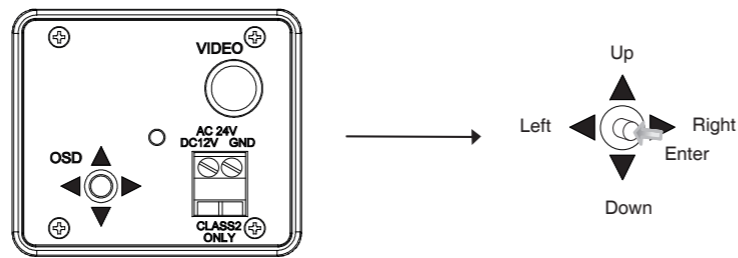


Top installation



2. OSD Switch and OSD Menu

Use the Multi Tact Switch on the camera back



OSD MENU FUNCTION	
LENS	DC VIDEO 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	

2) EXPOSURE

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

SHUTTER: AUTO, NTSC: 1/60, PAL: 1/50, FLK, 1/250 ~ 1/100,000

BRIGHTNESS: 000-255 (darker to brighter)

DWDR: OFF (ON 000-063)

Attention BRIGHTNESS adjusts DC level of the lens

3) WHITE BALANCE

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

ATW1 (wider range), ATW2 (narrower range), AWC->SET, MANUAL

WB MANUAL: INDOOR, OUTDOOR, MANUAL

BLUE: 000-255, RED: 000-255

6) SPECIAL

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

* SPECIAL SUB MANU LIST

SPECIAL: CAM TITLE ON/OFF, MOTION ON/OFF, PRIVACY ON/OFF, IMAGE ADJ., DPC, LANGUAGE ENGLISH/中文, VERSION 10 10 21, RETURN RET

MOTION DETECTION: AREA SEL. AREA 1-4, AREA STATE ON/OFF, HEIGHT, WIDTH, LEFT/RIGHT, TOP/BOTTOM, DEGREE, VIEW ON/OFF

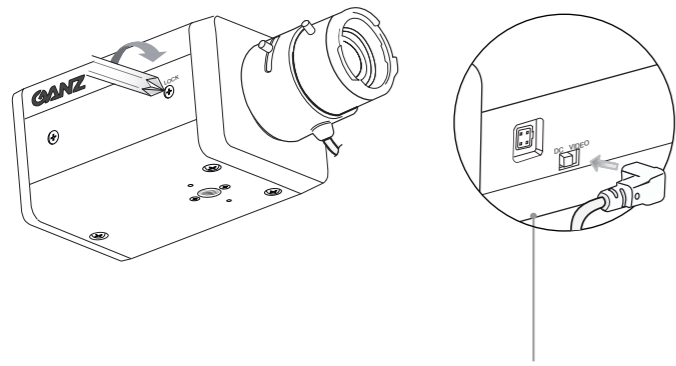
PRIVACY MASKING: AREA SEL. AREA 1-8, AREA STATE ON/OFF, HEIGHT, WIDTH, LEFT/RIGHT, TOP/BOTTOM, COLOR

Attention When select ON, AREA 1 always turns on

ADJUSTMENT

1. Lens

If the focus need to be adjusted after the lens has been mounted, loosen the flange back locking screw and rotate the adjustment wheel to adjust. While using the auto-iris lens, set the Auto-iris Mode switch to "DC" for VIDEO depending on the type of lens used.



No.	DC	VIDEO
1	CONTROL-	+12V (max. 50 mA)
2	CONTROL+	N. C.
3	DRIVE+	VIDEO
4	DRIVE-	GND

* START SET UP MENU

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

Select the function by using the switch

UP/DOWN: Select the function by using the switch

LEFT/RIGHT/ENTER: A function with the icon has sub menus. To select a sub menu, select a function with the icon and press the switch

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

1) LENS

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

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

VIDEO - MANUAL

4) BACKLIGHT

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

BLC: AREA SEL. AREA 1-2, AREA STATE ON/OFF, GAIN, HEIGHT, WIDTH, LEFT/RIGHT, TOP/BOTTOM

HLC: LEVEL, MODE ALL DAY-NIGHT ONLY

Attention When select BLC, AREA 1 always turns on

5) DAY&NIGHT

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

AUTO: D->N LEVEL, D->N DELAY, N->D LEVEL, N->D DELAY

COLOR: BURST ON/OFF, IR SMART OFF/ON, IR LEVEL HIGH/LOW

EXT: IR GAIN, HEIGHT, WIDTH, LEFT/RIGHT, TOP/BOTTOM

WARNING Do not change the above factory-set levels

7) RESET & EXIT

SETUP

- LENS DC
- EXPOSURE ATW1
- WHITE BAL ATW1
- BACKLIGHT OFF
- DAY&NIGHT AUTO
- SPECIAL
- RESET
- EXIT

FACTORY RESET