

Model

- CNB-SDx258/SDx308
- CNB-SDx300VD
- CNB-VDx258/VDx308
- CNB-VDx300VD
- CNB-Dx258/Dx308
- CNB-Dx300VD

Space Dome Camera



Vandal Proof Dome Camera



Color Dome Camera



CNB Technology Inc.

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1. INFORMATION FOR USER



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of unshielded "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Regulatory Notice

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.

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

WARNING - Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

- CAUTION** : To prevent electric shock and risk of fire hazards:
- ◆ Do NOT use other than specified power source.
 - ◆ Do NOT expose this appliance to rain or moisture.

2. Precautions

- **Do not install the camera in extreme temperature conditions.**
Do use the camera under conditions where temperatures are within -10°C to 50°C. Especially be careful for ventilation under high temperature.
- **Do not install or use the camera in an environment where the humidity is high.**
It can cause the image quality to be poor.
- **Do not install the camera under unstable lighting conditions.**
Severe lighting change or flicker can cause the camera to work improperly.
- **Never use the camera close to a gas or oil leak.**
It can cause malfunctions to occur.
- **Do not disassemble the camera.**
There are no user-serviceable parts inside it.

3. Model Descriptions

- **Thank you for purchasing a CNB DOME CAMERA.**
Before operating the camera, confirm the camera models and proper power voltage. In order that you can understand this manual thoroughly, we'll introduce our model descriptions.

- Model :** CNB-SDx258/SDx308
CNB-SDx300VD
CNB-VDx258/VDx308
CNB-VDx300VD
CNB-Dx258/Dx308
CNB-Dx300VD

●CNB-SDx Series



●CNB-VDx Series



●CNB-Dx Series



- Brand Name

CNB → CNB Technology Inc.

- Model Name

- SD → Space Dome Camera
- VD → Vandal Resistance Dome Camera
- D → Dome Camera

- Signal Type

- N → NTSC
- P → PAL

- Resolution

- 2x → Normal Resolution, 270K Pixels
- 3x → High Resolution, 410K Pixels

4. CAMERA LAYOUT

CNB-SDx258/SDx308 Model

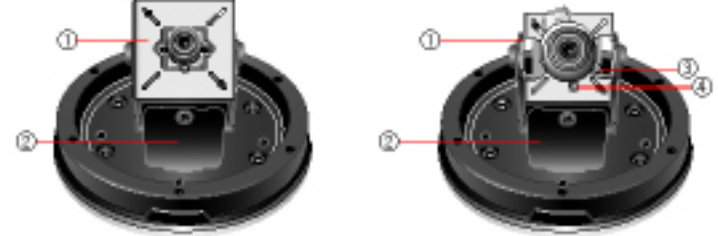
CNB-SDx300VD Model



- ① Tilt Base : You can rotate Tilt Base up and down the camera.
- ② Pan Base : You can rotate Pan Base right and left the camera.
- ③ Focal Length Lever : After adjusting Focal Length by Lever, fix it.
- ④ Zoom/Varifocal Lever : After adjusting Zoom/Varifocal by Lever, fix it.

CNB-VDx258/VDx308 Model

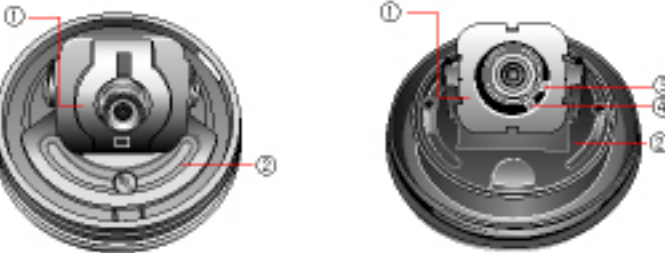
CNB-VDx300VD Model



- ① Tilt Base : You can rotate Tilt Base up and down the camera.
- ② Pan Base : You can rotate Pan Base right and left the camera.
- ③ Focal Length Lever : After adjusting Focal Length by Lever, fix it.
- ④ Zoom/Varifocal Lever : After adjusting Zoom/Varifocal by Lever, fix it.

CNB-Dx258/Dx308 Model

CNB-Dx300VD Model



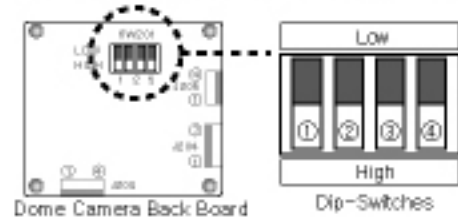
- ① Tilt Base : You can rotate Tilt Base up and down the camera.
- ② Pan Base : You can rotate Pan Base right and left the camera.
- ③ Focal Length Lever : After adjusting Focal Length by Lever, fix it.
- ④ Zoom/Varifocal Lever : After adjusting Zoom/Varifocal by Lever, fix it.

5. ACCESSORIES



6. CAMERA SETUP

Use the four Dip-switches inside of the camera back panel for function selection.



CNB-SDx258 (DC Iris Varifocal Lens Optional) CNB-Dx258 (DC Iris Varifocal Lens Optional)				CNB-SDx300/300VD CNB-VDx300/300VD CNB-Dx300VD					
Low		No.	Low	High	Low		No.	Low	High
		1	BLC On	BLC Off			1	BLC On	BLC Off
		2	ALC	BLC			2	ALC	BLC
		3	AGC Off	AGC On			3	AGC Off	AGC On
		4	AWBFL On	AWBFL Off			4	OSD Menu On	OSD Menu Off

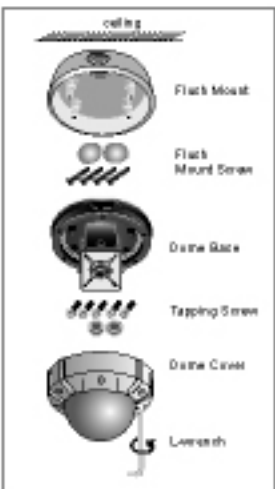
7. INSTALLATION

CNB-SDx Series



1. Fix the surface mounting bracket by screws on the ceiling.
2. Draw out power/video wires to the connecting places.
3. Connect the dome base to the surface mounting bracket and turn it to the right direction.
4. Adjust desired focus and scene by turning and moving the hemisphere by hand.
5. Put the dome cover over the base.
6. Fix the dome cover on the base by covering.

CNB-VDx Series



1. Fix the flush mounting by screws on the ceiling.
2. Draw out power/video wires to the connecting places.
3. Connect the dome base to the flush mounting by screws.
4. Adjust desired focus and scene by turning and moving the hemisphere by hand.
5. Insert the decoration ring to the dome base.
6. Put the dome cover over the base.
7. Fix the dome cover on the base by L-wrench.

CNB-Dx Series



1. Draw out power/video wires to the connecting places.
2. Fix the dome base by screws on the ceiling.
3. Adjust desired focus and scene by turning and moving the hemisphere by hand.
4. Put the dome cover over the base.
5. Fix the dome cover on the base by covering.

■ Connecting to monitor and power

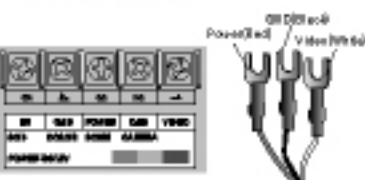
- Connect the video out jack to the video in jack of monitor.
 - Connect the adapter to the power input connector.
- Use a DC12V and 300mA adapter.

CNB-SDx/VDx Series



No.	Function	Terminal Color	Remark
1	Video Output	Yellow	-
2	Power Input	Red	-

CNB-Dx Series



No.	1	2	3	4	5
Function	Video	OND	POWER	OND	MC
Connector	White	Black	Red	-	-

8. SPECIFICATIONS CNB-SDx258/SDx258

Model	CNB-SDx258	CNB-SDx258
Signal System	MTSC : 525 lines	PAL : 625 lines
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15,794 KHz	15,625 KHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Image Sensor	1/3 inch IT Super HAD CCD	
Total Effective Pixels No.	270K / 250K	320K / 290K
S/N Ratio	More Than 48dB (AGC Off)	
Resolution	Horizontal : 380 TV Lines	
Video Output Level	1.0 Vp-p (75 Ohm s, composite)	
Lens	Fixed Lens (4-3.8mm)	
Angular field of View	68 degree (4-3.8)	
Focus	Manual	
Sync System	Internal	
Sensitivity	0.1 lx / F=2.0 (AGC On)	
Electronic Shutter	1/60 - 1/100,000 Sec	1/50 - 1/100,000 Sec
White Balance	Auto	
AGC	Auto	
BLC	Auto	
Input / Output Connector	Power(Red Jack), Video(Yellow Jack)	
Supplied Voltage	DC 12V ~ 15V (Recommendation DC12±0.5V)	
Power Consumption	Less than 150mA	
Dome Size (Dia)	100 mm	
Weight	Approx. 294g	

