



## OUTDOOR IR COLOR CAMERA MODEL: MDC-IR3.6N / MDCH-IR3.6N

### PRODUCT FEATURES

Selection of 420 and 540TV resolution and low light performance surveillance camera with a built-in 1/3 type CCD

Integrated 3.6 mm fixed lens

Outstanding 0 lux performance with built-in 24 LEDs.

Photocell activates IR light at night

Designed for indoor or outdoor use

### SAFETY PRECAUTIONS

1. The installation should be made by qualified service engineers and should conform to all local codes.
2. To prevent fire or electric shock, do not expose the camera to rain or moisture.
3. To prevent fire or electric shock, UL listed wiring should be used for the DC 12V input.
4. Use only DC 12V regulated power supply marked class 2.
5. Never attempt to disassemble or modify the camera.
6. Be sure to connect each lead to the appropriate terminal.  
Wrong connection may cause damage to the camera.
7. Do not attempt to aim the camera at the sun or other extremely bright objects.
8. Do not allow the camera to be subject to unstable location, strong shocks and vibration, and strong electromagnetic field.
9. If any abnormality occurs, immediately turn off the power and consult your dealer.

### PARTS DESCRIPTION

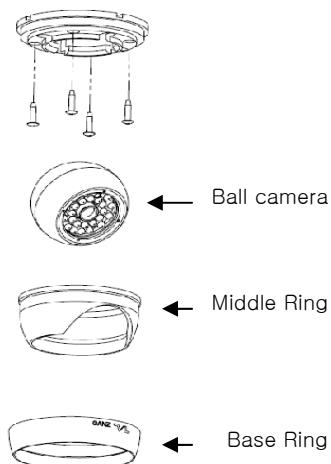
After un-packing, check if the following items are contained inside.

- MDC(H)-IR3.6N unit with Power and BNC Cable...1
- User Manual... 1
- Screw...4
- Mating Power Connector ...1
- "L" Wrench ...1

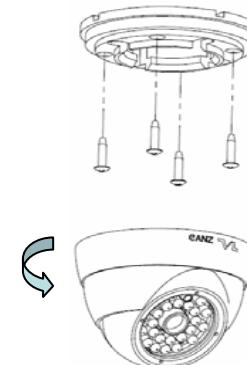
### INSTALLATION AND ADJUSTMENT

Note: The camera can be mounted on both ceiling and wall.

1. Mount the bottom plate on your desired location by screws. (See Pic. 1)
2. Assemble the Ball camera with middle and base rings to the bottom plate.
3. Set the camera angle by rotating the ball camera.(See Pic.2)
4. Fasten the middle ring and set with "L" wrench to secure the camera angle. .(See Pic.2)



Picture(1)



picture(2)

## SPECIFICATIONS

Model Name	MDC-IR3.6N	MDCH-IR3.6N
TV System	NTSC	
Scanning system	2 : 1 Interlace	
Image Sensor	1/3"-Type Interline transfer CCD	
Effective Elements	500(H) x 582(V)	755(H) x 582(V)
Scanning Frequency	15.734kHz(H) x 59.94Hz(V)	
Video output	1.0Vp-p /75Ω	
Horizontal resolution	More than 420 TVL	More than 540 TVL
Minimum Illuminance	0 Lux (IR LED ON)	
Day / Night	Digital	
S/N ratio	More than 46 dB (at minimum AGC gain)	
Gamma characteristic	0.45	
IR Illumination	24 IR LEDs	
Sync. System	Internal only	
Electronic Shutter	1/50 sec. ~ 1/100K sec.	
White balance	ATW	
Power Supply	12V DC±10%	
Power consumption	2.4 W	
Ambient temperature	Operation : -10°C to +50°C (14deg F to 122 deg F) / Storage : -20°C to +60°C (-4 deg F to 140 deg F)	
Ambient humidity	Operation : Max. 85%RH / Storage : Max. 95%RH	
IP Rating	IP66	
External dimensions	93mm(W) x 80mm(H)	
Weight	440g	

## LENS SPECIFICATIONS

Max. aperture ratio	1 : 2.0	
Focal Length	3.6mm	
F No	2.0	
Iris	Fixed	
Angle of view (Wide to Tele)	D	95.4°
	H	74.1°
	V	54.8°

The specifications and/or appearance of the product may change without a prior 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is 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.



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