DIGITAL WATCHDOG
Everything's Digital

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Tampa, FL 33634
www.digital-watchdog.com
Technical Support: 1-866-446-3595 / 813-888-9555

INSTRUCTION MANUAL

B2372TIR

About manual

Before installing and using the camera, please read this manual carefully.
Be sure to keep it handy for future reference.

PRECAUTIONS

■ Do not open or modify
Do not open the case except during maintenance and installation, as it may be dangerous and cause damages.

■ Do not put objects inside the unit
Make sure that no metal objects or flammable substances get inside the camera. It could cause fire, short-circuits or damages.

■ Be careful when handling the unit
To prevent damage, do not drop the camera or subject it to strong shock or vibration.

■ Install away from electric or magnetic fields

■ Protect from humidity and dust

■ Protect from high temperature
Be careful when installing close to the ceiling , in a kitchen or boiler room, as the temperature may rise to high levels.

■ Cleaning
Dirt can be removed from the case only by wiping it with a soft cloth moistened with a soft detergent solution.

■ Mounting Surface
The mounting surface material must be strong enough to support the camera.

TROUBLESHOOTING

Before sending the camera out for repair, check the items below. If the problem persists after checking these items, contact your service center.

■ **If no image appears.**
Is the coaxial cable attached securely?
Are the power and voltage normal?
Has the iris of the lens inside the camera been adjusted correctly (with the level volume) ?
Is there adequate illumination?

■ **If the image is unclear**
Is the lens in focus?
Is the lens dirty?
Dirt of fingerprints on the lens can adversely affect the images.
 Gently wipe any dirt or fingerprints off the lens with a soft cloth or lens cleaning paper and cleaning fluid (commercially available).
Is the monitor adjusted correctly?

WARRANTY INFORMATION

Digital Watchdog (referred to as "the Warrantor") warrants the Camera Series against defects in materials or workmanship as follows:

LABOR: For the initial five (5) years from the date of original purchase, if the camera is determined to be defective, the Warrantor will repair or replace the unit, with new or refurbished product at its option, at no charge.
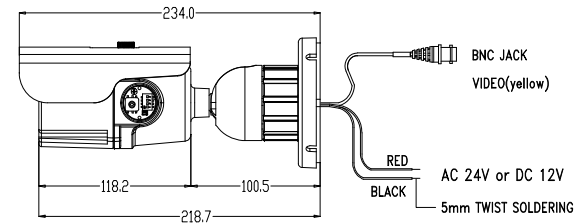
PARTS: In addition, the Warrantor will supply replacement parts for the initial five (5) years. To obtain warranty or out of warranty service, please contact a Technical Support Representative at **1-866-446-3595** Monday through Friday from 9:00 AM to 5:00 PM Eastern.
A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered. This warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than an authorized repair facility or damage that is attributable to acts of God.
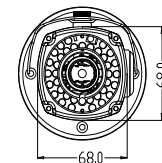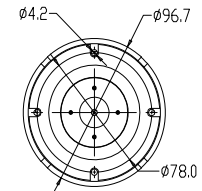
LIMITS AND EXCLUSIONS
There are no express warranties except as listed above. The Warrantor will not be liable for incidental or consequential damages (including, without limitation, damage to recording media) resulting from the use of these products, or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.
Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state. If the problem is not handled to your satisfaction, then write to the Address above.

Service calls which do not involve defective materials or workmanship as determined by the Warrantor, in its sole discretion, are not covered. Costs of such service calls are the responsibility of the purchaser.

DIMENSION (mm)

234.0
118.2
100.5
218.7

BNC JACK
VIDEO(yellow)
RED
BLACK
AC 24V or DC 12V
5mm TWIST SOLDERING

(OPTION)
CABLE LENGTH
STANDARD : 13.78 (350.0mm)

ø4.2
ø96.7
ø78.0

68.0
68.0

WARNING:
TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAMERA SETTINGS

234.0
118.2 100.5
218.7

BNC JACK
VIDEO(yellow)

RED
BLACK
AC 24V or DC 12V
5mm TWIST SOLDERING

(OPTION)
CABLE LENGTH
STANDARD : 13.78 (350.0mm)
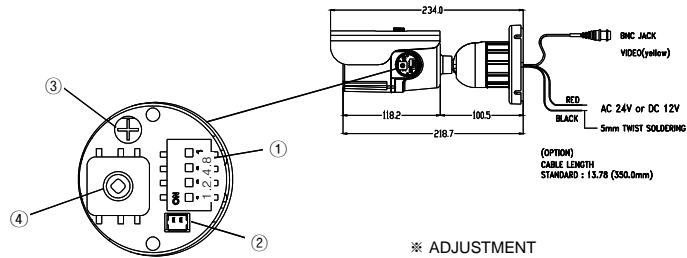
※ ADJUSTMENT

1. Separate opening cap from CAMERA BODY.
2. Camera settimg
3. Assemble opening cap with CAMERA BODY.

① ID NUMBER SWITCH

1.2.4.8(BCD Code) means ID number and
ID contains 10 number from 0 to 9.

② SECOND VIDEO OUT CONNECTOR

If installer do setting with protable monitor, this connector should
be connected.

③ ADJUSTING LEVEL VOLUME

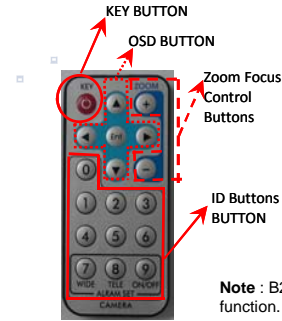| CCW (Low)	Closes the lens iris, making the entire image darker
CW(High)	Opens the lens iris, making the entire image drighter

④ OSD MENU CONTROL

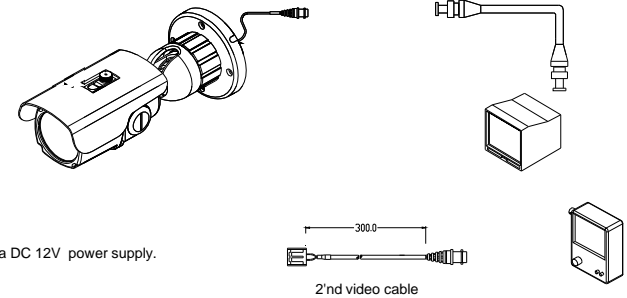| SETUP	FUNCTION	SUMMARY
LENS	MANUAL.DC	- DC
SHUTTER	FIXED,MANUAL,FLK	- MANUAL : Manual shutter adjust.
BLC	ON,OFF	- BLC AREA
		- BLC RATIO
AGC	ON,OFF	- AGC GAIN: Min~ Max
WHITE BAL	ATW,AWB,FIXED,MANUAL	- MANUAL : RED,BLUE
		- FIXED : MODE 1,2,3,4
ADJUST	CONTRAST,SHARPNESS CB_GAIN,CR_GAIN	- CONTRAST adjust.
		- SHARPNESS adjust.
		- CB_GAIN adjust.
		- CR_GAIN adjust.
FUNCTION ☜		
CAMERA ID	ON,OFF	- CAMERA ID
		- POSITION
MIRROR	ON,OFF	- Mirror image on/off
DAY NIGHT	AUTO,B/W,COLOR	- AUTO: DELAY
		START LEVEL
		END LEVEL
MOTION	ON,OFF	- AREA
		- MOTION TH
		- MOTION TRACE ON/OFF
PRIVACY	ON,OFF	- AREA SEL
		- AREA STATE
GAMMA	USER, 0.05~1.0	- GAMMA set.
LANGUAGE	ENGLISH,Korean,Chinese1,Chinese 2,Japanese	- Language set.
RESET	YES,NO	- Returns to the level
EXIT		- Save out

CAMERA SETTINGS

■ Functional control of "REMOTE CONTROL" [OPTION]
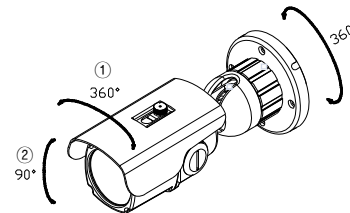
Omni-Focus Remote Control Instructions
1. Check the Dip switch (SW4) for camera ID (Default is 0)
2. Point the remote control towards the camera, then press and hold [0] until the Red LED light start flashing.
3. Press and hold the KEY button, until LED turns a solid RED.
4. Press the Plus sign (+) to ZOOM IN, Minus sign (-) to ZOOM OUT
5. Press the [ENT] button to enter the setup Menu and press [KEY] button to exit.

KEY BUTTON
OSD BUTTON
Zoom Focus Control Buttons
ID Buttons BUTTON

Note : B2372TIR has no Alarm function.

CONNECTION

CAUTION :
Check for polarity when using a DC 12V power supply.

300.0

2'nd video cable

CAMERA SETING ANGLE

360°
360°
① ②
90°

※ **ATTENTION**
1. Do not rotate ① more than 360°.
2. Do not twist ② many times unnecessarily.

Specifications		
Model	**B2372TIR**	
Camera TYPE	Color/BW	Ture Day/Night Digital Bullet IR Camera
	Mount	3D Bracket
Image	Device	1/3" Super HAD II CCD
	Pixels-Total	811(H) x 508(V)
	Pixels-Effective	768(H) x 494(V)
Scanning	System	525 line, 2:1Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Vertical Frequency Internal Mode	59.94Hz
Min. Scene Illumination	IR-LED on	0.0 Lux
IR DISTANCE	IR	70 feet range
OSD Controls	BLC	ON/OFF (Area Setting)
	AGC	ON/OFF (Gain Adjust)
	AWB	ATW / AWB / Fixed / Manual
	Mirror	ON/OFF
	Motion Detection	ON/OFF (Area / Sensitivity / Trace ON/OFF)
	Privacy Zone	4 Programmable Zone / Size
Lens	Focal Length	Pan-Focus Lens [2.9 ~ 8.5mm (3x Optical)]
Resolution	Horizontal	540 TV Lines [at TDN (B/W) :570 TV Lines]
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Load)
S/N Ratio	S/N Ratio	48dB
Environmental Condition	Operating Temperature	-10℃ ~ +55℃(14°F ~ 131°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC / 24VAC
	Power Consumption	12VDC: 258mA (LED OFF), 418mA (LED ON) 1A (Heater ON) 24VAC: 225mA (LED OFF), 408mA (LED ON), 500mA (Heater
Physical Specification	Dimensions(H x L)	75.5 x 231.5mm
	Nema Type	IP66
	Weight	2.3 lbs
Certifications	CE, FCC, RoHS	Certified