rev.B-Heater추가 . 재고소진후 루트구분적용
rev.C-6-22mm Lens추가(N2090공용)

INSTRUCTION MANUAL

**700TV Lines
Super High
Resolution
Color Camera**

Weatherproof IR Bullet Camera

*Please read this manual thoroughly before use, and keep it handy for future reference.
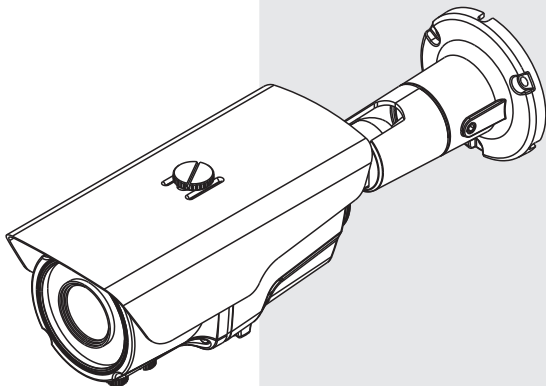Design and specifications are subject to change without notice.*
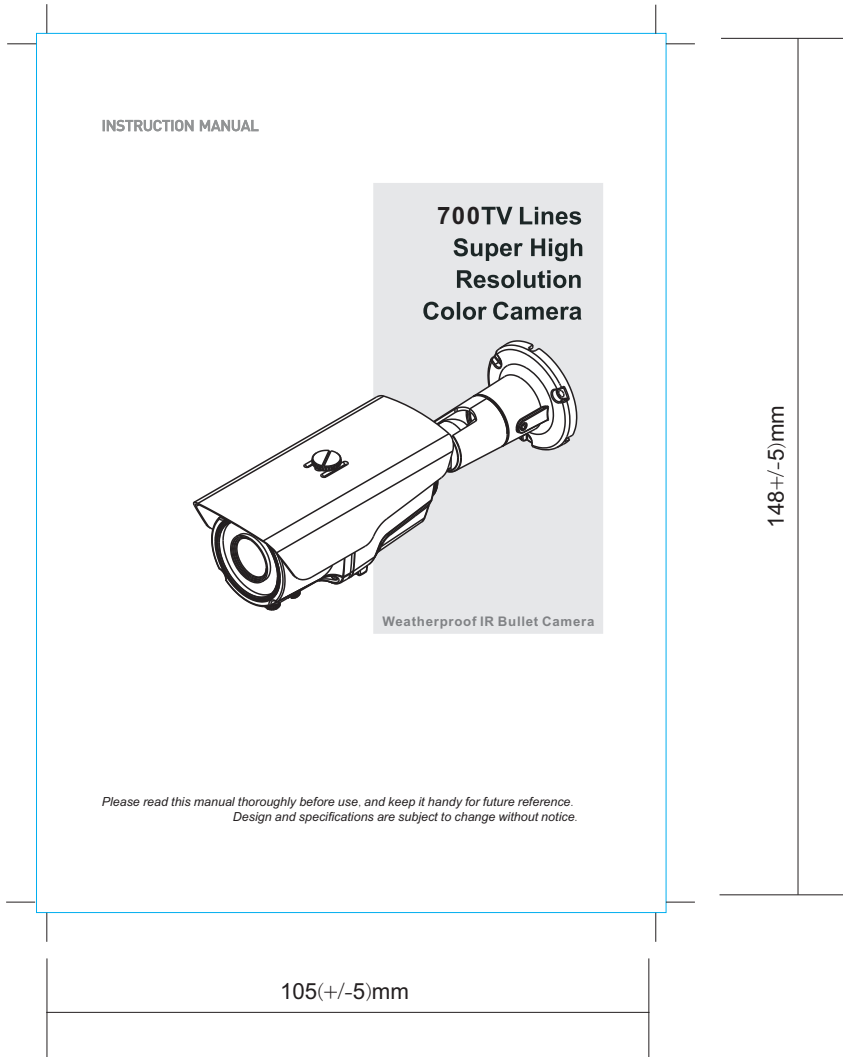
148+/-5)mm

105(+/-5)mm

NOTES
1.MODEL: HCUI-N4(9)1(5)NN(P)VxU5(H) / NoBrand(ϕ75)

2 MATERIAL: 모조지100g/㎡ WHITE

3 COLOR: BLACK

4.SIZE:105(+/-5)mm x 148(+/-5)mm

5.LABEL: -------------

전자

협

장경석

의

15-04-01

50303663

ITEM	DESCRIPTION/MATERIAL	QTY
	PARTS LIST	

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN MM.
- TOLERANCE
    LABEL   +/- 3
    MANUAL +/- 5
    GUIDE   +/- 5

	APPROVALS	DATE
	K.H.Jung	15-04-01
MATERIAL 2	CHKED D.W.Hwang	15-04-01
COLOR 3	DRAWN J.Y.LIU	15-04-01

HITRON

TITLE
Manual Instruction

SIZE	A4	REV.	C

SCALE DO NOT SCALE

700TV Lines Super High Resolution Color Camera

Weatherproof IR Bullet Camera

Please read this manual thoroughly before use, and keep it handy for future reference.
Design and specifications are subject to change without notice.

FCC COMPLIANCE STATEMENT

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.

FCC INFORMATION : 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CE COMPLIANCE STATEMENT

WARNING : This is a Class A poduct. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not block any ventilat ion openings. Install in accord ance with the manufacturer`s instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. Only use attachments/accessories specified by the manufacturer.
8. Use only with the ca rt, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
9. *CAUTION - THESE SERVICING IN STRUCTIONS ARE FOR USE BY QUALIFIED SERVICE PERSONNEL ONLY. TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT PERFORM ANY SERVICING OTHER THAN THAT CONTAINED IN THE OPERATING INSTRUCTIONS UNLESS YOU ARE QUALIFIED TO DO SO.*
10. *Use satisfy clause 2.5 of IEC60950-1/UL 60950-1 or Certified/Listed Class 2 power source only.*
11. Indoor use only.

EXPLANATION OF GRAPHICAL SYMBOLS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "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 product.

INTRODUCTION

The camera provides high-quality images using CCD technology especially designed for closed-circuit television (CCTV) and security surveillance applications.

Features:

- High resolution and high performance 1/3" CCD Technology
- Excellent picture quality
- 700 lines(Color) of resolution
- 0.1 lux(Color), 0 lux(B/W) @ F1.2 50 IRE Sensitivity
- Auto electronic shutter [1/60(1/50) ~ 1/100,000]
- 2D-DNR(Digital Noise Reduction)
- Auto white balance modes
- AGC (Auto Gain Control)
- VIDEO OUT BNC
- 2.8 ~ 12 mm Vari-focal lens
- 6.0 ~ 22 mm Vari-focal lens
- 6.0 ~ 50 mm Vari-focal lens
- Use Certified / Listed Class 2 power source only
- Camera Mount : Camera mount directly to the wall or ceiling
- Smart IR
- 42EA, 850nm IR LED

⚠ **IMPORTANT :** The user of this camera is responsible for checking and complying with local, state, and federal laws and statues concerning the recording and monitoring of audio signals.

CAMERA CONNECTIONS
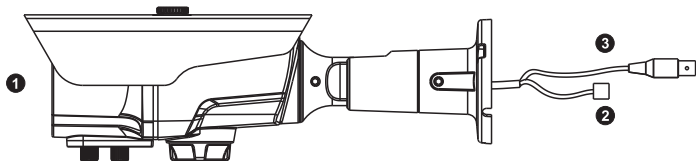
1. Lens : 2.8 ~ 12mm or 6 ~ 22mm or 6 ~ 50mm Vari-focal lens for wide area monitering.

3. Video : BNC connector used to connect to a monitor, switcher, etc.

2. Power :
   Dual Type => 24V AC input / 12V DC input power source from a DC 12V or AC 24V $\pm$ 10%
   60/50Hz $\pm$ 1Hz Use Certified/Listed Class 2 power source only.
   DC 12V Type => DC 12V $\pm$ 10%

   *if using DC 12V power adaptor, use power
   supply capable of supplying 5 Watts. (IR Model 7 Watts)

3. Video : BNC connector used to connect to a monitor, switcher, etc.

LENS ADJUSTMENT

Field of view: Adjust setting from Tele (T) to Wide (W)
field of View

Focus: Adjust lens focus from near (N) to infinity (∞)

DC AUTO IRIS LENS

Image Size	1/3" CCD	1/3" CCD	1/3" CCD
Focal Length	2.8 - 12.0mm	6.0 - 22.0mm	6.0 - 50.0mm
Aperture Ratio	1 : 1.4	1 : 1.6	1 : 1.6
Angular Field of View	DIAGONAL 2.8mm : 116° 12mm : 36°	DIAGONAL 6mm : 54.3° 22mm : 20.6°	DIAGONAL 6mm : 54.3° 50mm : 7.1°

LENS

Control +
Control -
Drive +
Drive -
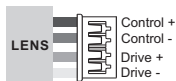
CONTENTS of PACKAGE

The package contains the following.

Camera in Housing _ 1
Instruction Manual (This Document) _ _ _ _ _ _ _ _ _ _ _ 1
Accessory Kit for Installing _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ 1
Sunshield bolt _ 1
Sunshield _ 1
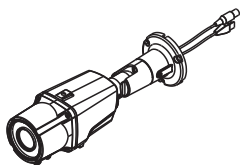
Sunshield

Manual

Camera

Sunshield bolt

Accessory

BASE INSTALLATION
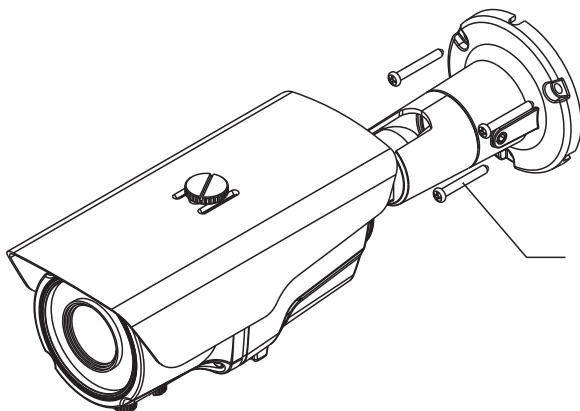
Screw x 3ea

Caution
"Adjusting the position of the camera after installation could potentially damage the cable"

STRUCTURE OF THE SETUP MENU

<SETUP>

LENS
EXPOSURE
WHITE BAL
BACKLIGHT
DAY NIGHT
DPC
SPECIAL
EXIT

<LENS>

DC
MANUAL

<EXPOSURE>

SHUTTER
AGC
DWDR
RETURN

<WHITE BAL>

ATW1
ATW2
AWC -> SET
ANTI-CRL
MANUAL

<BACKLIGHT>

OFF
BLC
HLC

<DAY NIGHT>

AUTO
COLOR
B/W

<DPC>

START
DPC VIEW
LS VALUE
DIFF
AREA HS
AREA HE
AREA VS
AREA VE
RETURN

<SPECIAL>

CAM TITLE
MOTION
PRIVACY
PARK. LINE
IMAGE ADJ.
LANGUAGE
VERSION
RETURN

<EXIT>

SAVE
NOT SAVE
RESET
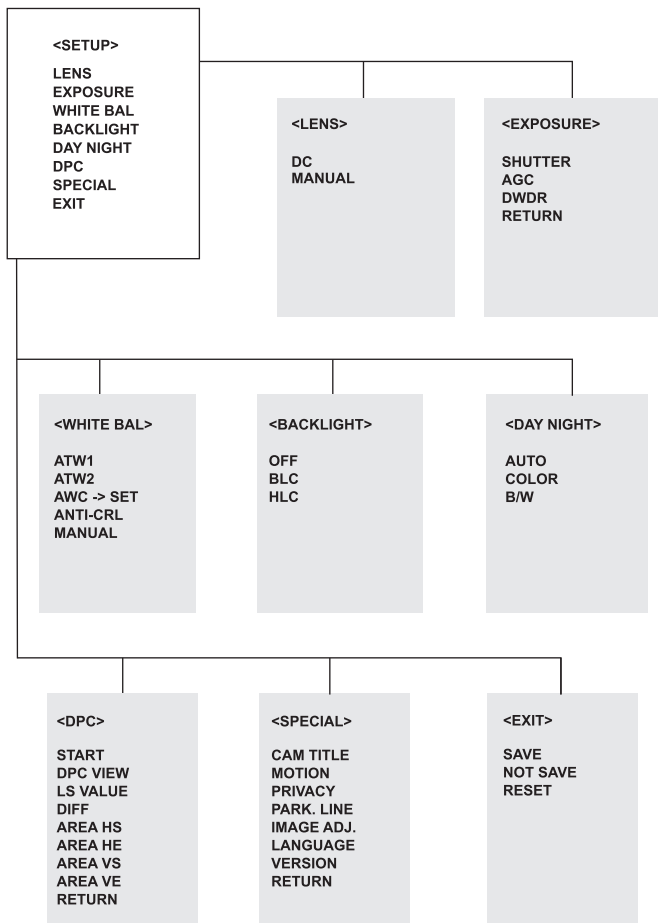
LENS (Selection)

This function is used to adjust the brightness of the screen.

1. When the SETUP menu is displayed on the screen, please position the arrow to point to 'LENS' by using the UP and DOWN buttons.
2. Please select the type of the lens you wish to use by pressing the LEFT or RIGHT button.

```
►  LENS         DC ↵
   EXPOSURE        ↵
   WHITE BAL    ATW1
   BACKLIGHT    OFF  ↵
   DAY NIGHT    AUTO↵
   DPC             ↵
   SPECIAL         ↵
   EXIT         SAVE↵
```

```
►  LENS         MANUAL↵
   EXPOSURE        ↵
   WHITE BAL    ATW1
   BACKLIGHT    OFF  ↵
   DAY NIGHT    AUTO↵
   DPC             ↵
   SPECIAL         ↵
   EXIT         SAVE↵
```

```
   LENS         DC.
►  BRIGHTNESS   ▥▥▥ 050
   IRIS SPEED   ▥▥▥ 003
   RETURN       RET ↵
```

```
   MENU LENS
►  BRIGHTNESS   ▥▥ 050
   RETURN       RET ↵
```
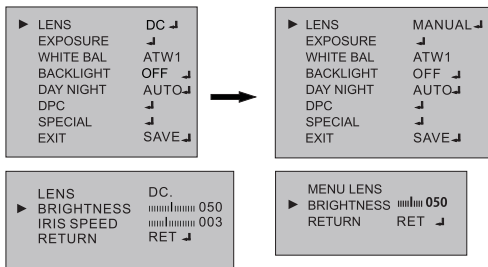
Note *The brightness of the screen can be adjusted in DC mode.*

EXPOSURE

The EXPOSURE menu is used to set the automatic light control method for this camera.

1) SHUTTER   Select the shutter mode.(Auto, 1/60(50), FLK~ 1/100,000 sec)
                     Can be changed while in shutter mode.
2) AGC   Auto gain control (OFF / LOW / MIDDLE / HIGH)

3) DWDR   Digital Wide dynamic range(Xtended Dynamic Range) OFF / ON

```
   LENS         DC ↵
►  EXPOSURE        ↵
   WHITE BAL    ATW1
   BACKLIGHT    OFF  ↵
   DAY NIGHT    AUTO↵
   DPC             ↵
   SPECIAL         ↵
   EXIT         SAVE↵
```

```
   EXPOSURE

   SHUTTER      AUTO
   AGC          ----
►  DWDR         ON  ↵
   RETURN       RET ↵
```

```
   DWDR

   LEVEL        ▥▥▥ 020
   RETURN       RET ↵
```
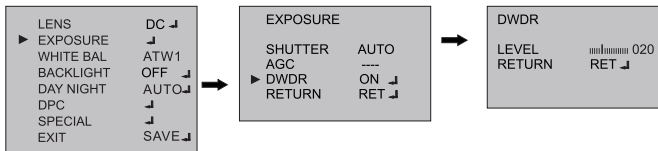
WHITE BAL

The screen color can be adjusted by using the WHITE BALANCE function.

1) ATW1	Set the color temperature 2500˚K 10000˚K
2) ATW2	Set the color temperature 2000˚K 13000˚K
3) AWC -> SET	Please press the ENTER button white the camera is directed at a piece of white paper to obtain the optimum state under current illumination. if the environment including the light source is changed, you have to adjust the white balance again.
4) ANTI. CRL	Anti Color Rolling Mode.
5) MANUAL	Manual mode. User can change R and B Gain manually.
INDOOR	Set the color temperature to 3200˚K
OUTDOOR	Set the color temperature to 6300˚K

<WHITE BAL MANUAL MODE>

```
  LENS        DC            │   WHITE BAL MANUAL
  EXPOSURE    ┙             │
► WHITE BAL   ATW1          │ ► COLOR TEMP  OUTDOOR
  BACKLIGHT   OFF  ┙        │   BLUE        -----------
  DAY NIGHT   AUTO┙    ➡    │   RED         -----------
  DPC         ┙             │   RETURN      RET┙
  SPECIAL     ┙             │
  EXIT        SAVE┙         │
```

* It is recommended to use outdoor ATW2 Mode.

BACK LIGHT

1) BLC	Prevents such a back light effect to secure a clear image under all illumination environments
2) HLC	The function improves the identification capability of subjects facing a brightly lit situation by filtering out the strength of the light

<BACK LIGHT MODE>

```
  LENS        DC ┙        │  BLC                   │  HLC
  EXPOSURE    ┙           │                        │
  WHITE BAL   ATW1        │► AREA SEL   AREA1       │  LEVEL      ▏ 200
► BACKLIGHT   OFF  ┙       │  AREA STARE ON          │  MODE       NIGHT ONLY
  DAY NIGHT   AUTO┙   ➡    │  GAIN       100   ➡     │  MASK SKIP  ON
  DPC         ┙           │  HEIGHT     007        │  RETURN     RET ┙
  SPECIAL     ┙           │  WIDTH      006        │
  EXIT        SAVE┙       │  LEFT/RIGHT 004        │
                         │  TOP/BOTTOM 004        │  MASK SKIP
                         │  RETURN     RET┙        │
                         │                        │  HEIGHT     005
                         │                        │  WIDTH      005
                         │                        │  LEFT/RIGHT 005
                         │                        │  TOP/BOTTOM 005
                         │                        │  RETURN     RET ┙
```
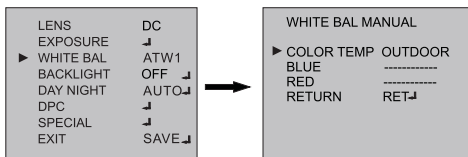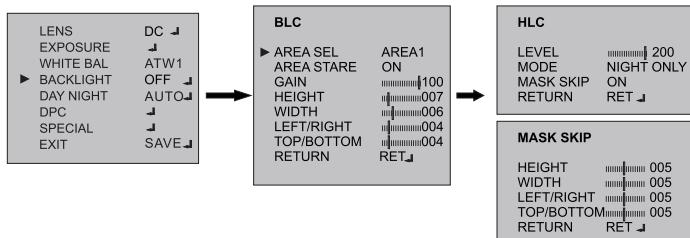
DAY NIGHT

The DAY/NIGHT menu is used to configure the day and night related setting for this camera.
This camera can turn the IR(infrared)filter on or off.
Mode : AUTO / COLOR / B/W

<DAY NIGHT AUTO MODE>

```
LENS          DC
EXPOSURE      ◢
WHITE BAL     ATW1
BACKLIGHT     OFF   ◢
► DAY NIGHT   AUTO◢
DPC           ◢
SPECIAL       ◢
EXIT          SAVE◢
```

```
D&N AUTO

► D -N LEVEL   ▬▬▬▬▬192
  D-N DELAY    3   SEC
  N-D LEVEL    ▬▬▬▬032
  N-D DELAY    3   SEC
  RETURN       RET◢
```

<DAY NIGHT B/W MODE>

```
LENS          DC
EXPOSURE      ◢
WHITE BAL     ATW1
BACKLIGHT     OFF   ◢
► DAY NIGHT   B/W   ◢
DPC           ◢
SPECIAL       ◢
EXIT          SAVE◢
```

```
D&N B/W

  BURST       OFF
► IR SMART    ON◢
  IR LEVEL    HIGH
  RETURN      RET◢
```

```
IR SMART

► IR GAIN      ▬▬▬▬125
  HEIGHT       ▬▬▬▬007
  WIDTH        ▬▬▬▬007
  LEFT/RIGHT   ▬▬▬▬004
  TOP/BOTTOM   ▬▬▬▬004
  RETURN       RET◢
```
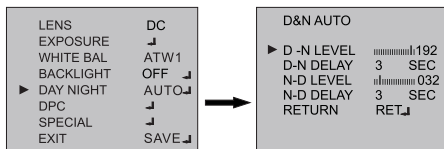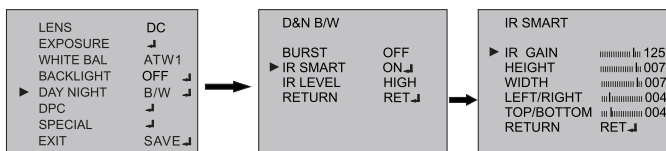
*The IR LEVEL is not operating is DAY NIGHT B/W mode.

DPC

DPC Auto setting (Dead pixels are automatically removed)

```
LENS          DC
EXPOSURE      ◢
WHITE BAL     ATW1
BACKLIGHT     OFF
DAY NIGHT     AUTO
► DPC         ◢
SPECIAL       ◢
EXIT          SAVE◢
```

```
DPC

  START       ◢
► DPC VIEW    OFF
  LS VALUE    ▬▬030
  DIFF        ▬▬030
  AREA HS     ▬▬038
  AREA HE     ▬▬240
  AREA VS     ▬▬002
  AREA VE     ▬▬130
  RETURN      RET ◢
```

```
START ◢
COVER THE LENS
THEN
PRESS ENTER KEY
```

SPECIAL

1) CAM TITLE

LENS	DC
EXPOSURE	
WHITE BAL	ATW1
BACKLIGHT	OFF
DAY NIGHT	AUTO
DPC	⏎
▶ SPECIAL	
EXIT	SAVE⏎

SPECIAL	
▶ CAM TITLE	ON
MOTION	OFF
PRIVATY	OFF
PARK LINE	OFF
IMAGE LINE	⏎
LANGUAGE	ENGLISH
VERSION	00 00 01
RETURN	RET ⏎

CAM TITLE

A —— **CAM TITLE**
      0123456789
      ABCDEFGHIJK
      LMNOPQRSTUV
B —— WXYZ ▶←↑↓()
      ¯‐_ ■ / = & : ~ , .⏎
C —— ←→ CLR POS END

A. CAM TITLE
B. Character Table
C. Command Line

← : Move to left
→ : Move to right
CLR : Erase all characters
POS : Move the position of title
END : Save and End

> **Caution**
> The menu of Camera Title part is not available
> when Chinese(CMPLX) is selected.

2) MOTION

AREA SELECT	Select MD area number. (AREA1 ~AREA4)
AREA STATE	Select MD ON/OFF
HEIGHT	Adjust height of MD area
WIDTH	Adjust width of MD area
LEFT/RIGHT	Adjust the location of the MD area with boundary LEFT and RIGHT.
TOP/BOTTOM	Adjust the location of the MD area with boundary boundary TOP and BOTTOM
DEGREE	Adjust sensitivity of MD area.(0~255)
VIEW	The screen displays with pink dots. When a motion is detected in the selected area, the pink dots are displayed on the screen.

LENS	DC
EXPOSURE	
WHITE BAL	ATW1
BACKLIGHT	OFF
DAY NIGHT	AUTO
DPC	⏎
▶ SPECIAL	
EXIT	SAVE⏎

SPECIAL	
CAM TITLE	ON⏎
▶ MOTION	ON⏎
PRIVACY	OFF
PARK LINE	OFF
IMAGE ADJ.	⏎
LANGUAGE	ENGLISH
VERSION	00 00 01
RETURN	RET ⏎

MOTION	
▶ AREA SELECT	AREA1
AREA STATE	ON
HEIGHT	3
WIDTH	3
LEFT/RIGHT	2
TOP/BOTTOM	2
DEGREE	32
VIEW	OFF
RETRURN	RET⏎
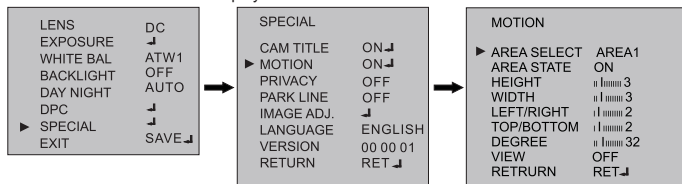
3) PRIVACY

AREA SELECT	Select MASK area number.(Area 1 ~ Area 8)
AREA STATE	Select MASK ON/OFF
HEIGHT	Adjust height of MASK area
WIDTH	Adjust width of MASK area
LEFT/RIGHT	Adjust the location of the MASK area with boundary LEFT and RIGHT
TOP/BOTTOM	Adjust the location of the MASK area with boundary TOP and BOTTOM.
COLOR	Select MASK color. (0~15)
RETURN	

<PRIVACY MODE>

```
LENS          DC
EXPOSURE      ⏎
WHITE BAL     ATW1
BACKLIGHT     OFF
DAY NIGHT     AUTO
DPC           ⏎
► SPECIAL     ⏎
EXIT          SAVE⏎
```

→

```
SPECIAL
CAM TITLE     OFF
MOTION        OFF
► PRIVATY     ON
PARK LINE     OFF
IMAGE ADJ.    ⏎
LANGUAGE      ENGLISH
VERSION       00 00 01
RETURN        RET ⏎
```

→

```
PRIVACY
► AREA SELECT   AREA1
AREA STATE      ON
HEIGHT          ▥▥▥ 032
WIDTH           ▥▥▥ 032
LEFT/RIGHT      ▥▥▥ 041
TOP/BOTTOM      ▥▥▥ 020
COLOR           ▥▥▥ 000
RETURN          RET⏎
```

4) PARK.LINE   Select Parking area

```
LENS          DC
EXPOSURE      ⏎
WHITE BAL     ATW1
BACKLIGHT     OFF
DAY NIGHT     AUTO
DPC           ⏎
► SPECIAL     ⏎
EXIT          SAVE⏎
```

→

```
SPECIAL
CAM TITLE     OFF
MOTION        OFF
PRIVACY       OFF
► PARK LINE   ON
IMAGE ADJ.    ⏎
LANGUAGE      ENGLISH
VERSION       00 00 01
RETURN        RET ⏎
```

→

```
PARK. LINE
► LT          080
LB            046
RT            178
RB            210
F             018
N             070
T             004
V1 ⏎          035
V2            041
V3            077
RETURN        RET
```
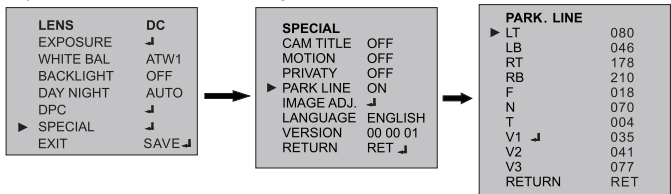
5) LANGUAGE	Changed ENGLISH or CHINESE and 7 Language.
6) VISION	Program Upgrade Date
7) RETURN	RET or SAVE&END

IMAGE ADJUST

1) LENS SHAD	Adjust Lens shading level (0~255)
2) 2DNR	Select 2DNR ON/OFF
3) MIRROR	Select MIRROR ON/OFF
4) FRONT COLOR	Select FRONT COLOR level (0~15)
	Select IDR TITLE level (0~15)
5) CONTRAST	Adjust CONTRAST level (0~255)
6) SHARPNESS	Adjust SHARPNESS level (0~31)
7) DISPLAY	Select DISPLAY mode (CRT/LCD/USER)
8) NEG. IMAGE	Select Negative image mode ON/OFF

<IMAGE ADJUST MODE>

```
IMAGE ADJUST

▶ LENS SHAD      ON◄┘
  2DNR           ON◄┘
  MIRROR         OFF
  FONT COLOR     ◄┘
  CONTRAST       ▥▥▥ 132
  SHARPNESS      ▥▥▥ 016
  DISPLAY        CRT◄┘
  NEG.IMAGE      OFF
  RETURN         RET◄┘
```

```
LENS SHAD

▶ LEVEL        ▥▥▥ 006
  H-CENTER     ▥▥▥ 074
  V-CENTER     ▥▥▥ 053
  RETURN       RET◄┘
```

```
2DNR

▶ LEVEL        ▥▥▥ 003
  RETURN       RET◄┘
```

```
IMAGE ADJUST

  LENS SHAD      ON◄┘
  2DNR           ON◄┘
  MIRROR         OFF
▶ FONT COLOR     ◄┘
  CONTRAST       ▥▥▥ 132
  SHARPNESS      ▥▥▥ 16
  DISPLAY CRT    ◄┘
  NEG.IMAGE      OFF
  RETURN         RET◄┘
```

```
FONT COLOR

▶ FONT         ▥▥▥ 003
  ID&TITLE     ▥▥▥ 003
  RETURN       RET◄┘
```

```
IMAGE ADJUST

  LENS SHAD      ON◄┘
  2DNR           ON◄┘
  MIRROR         OFF
  FONT COLOR     ◄┘
  CONTRAST       ▥▥▥ 132
  SHARPNESS      ▥▥▥ 16
▶ DISPLAY CRT    ◄┘
  NEG.IMAGE      OFF
  RETURN         RET◄┘
```

```
CRT ADJUST

▶ PED LEVEL    ▥▥▥ 022
  COLOR GAIN   ▥▥▥ 192
  RETURN       RET ◄┘
```

```
LCD ADJUST

▶ GAMMA              0.55
  PED LEVEL    ▥▥▥ 028
  COLOR GAIN   ▥▥▥ 176
  RETURN       RET ◄┘
```

```
USER ADJUST

▶ GAMMA              0.45
  PED LEVEL    ▥▥▥ 028
  COLOR GAIN   ▥▥▥ 176
  RETURN       RET ◄┘
```

EXIT

1) SAVE	Saves all setting and exits.
2) NOT SAVE	Exits without Saving.
3) RESET	Returns to the level which was set by the manufacturer for shipment.

SPECIFICATIONS

	MODEL		Dual Type	DC 12V Type
Power	Power source		AC24V ±10% / DC12V ±10%	DC12V ±10%
	Power consumption	Normal	530mA(7.0Watts)	500mA(6.0Watts)
		Heater	840mA(10.0Watts)	1000mA(12.0Watts)
General	Image sensor		1/3" 960H CCD	
	Total pixels		NTSC : 1020(H) x 508(V) / PAL : 1020(H) x 596(V)	
	Effective pixels		NTSC : 976(H) x 494(V) / PAL : 976(H) x 582(V)	
	Scanning system		2:1 interlace	
	Scanning frequency		NTSC:15.734KHz(H)x59.94Hz(V) / PAL:15.625KHz(H)x50Hz(V)	
	Sync. system		Internal	
	Electronic shutter		NTSC : 1/60 ~ 1/100,000sec / PAL : 1/50 ~ 1/100,000sec	
	Resolution		700TV Lines(COLOR)	
	Min. illumination		0.1 Lux(Color), 0 Lux(B/W) IR LED ON @ F1.2, 50 IRE	
	IR LED / Sensor		IR LED 42EA (850nm / 40 degree), Sensor 1EA	
	LED Lighting Distance		40M	
	S/N Ratio		1.0 Vp-p (75 ohm, Composite)	
	Video Output		More than 50dB (AGC off)	
	Camera Control		OSD (Joystic Switch)	
Function	Lens		Manual / DC	
	Shutter		Auto, 1/60(1/50), Flickerless, 1/250 ~ 1/100,000sec	
	Brightness		0 ~ 255	
	Backlight		OFF / BLC / HLC(High Light Compensation)	
	AGC		OFF / LOW / MIDDLE / HIGH	
	DWDR		OFF / ON	
	White Balance		ATW1 / ATW2 / MANUAL / AWC->SET / ANTI. CRL	
	Day & Night		Auto / Color / B&W	
	D&N B&W	Burst	OFF / ON	
		Smart IR	OFF / ON	
		IR Level	Low / High	
	S P E C I A L	Camera Title	OFF / ON	
		Motion Detec	OFF / ON	
		Privacy Mask	OFF / ON	
		Lens Shading	OFF / ON(0 ~ 255)	
		2DNR	OFF / ON	
		Mirror	OFF / ON	
		Font Color	Font 15 Color, ID&Title 15 Color	
		Contrast	0 ~ 255	
		Sharpness	0 ~ 31	
		Display	CRT / LCD / USER	
		Nega Image	OFF / ON	
		Language	English / Traditional Chinese / German / French / Spanish Japanese / Russian / Portuguese / Simplified Chinese	
	DPC		Dead Pixel Cancellation (Auto 247 Points)	
	Reset		Not Save / Return	
Connector & etc.	Power input		2-Pin wire / Terminal Block / DC Jack	
	Video output		BNC Connector	
	Day & Night System		True ICR	
	Lens Mount		Fixed Mount	
	Lens		f=2.8-12mm F1.4 ~ 360 Varifocal, ICR (D&N) f=6-22mm F1.6 ~ 360 Varifocal, ICR (D&N) f=6-50mm F1.6 ~ 360 Varifocal, ICR (D&N)	
	Operating Temp.	Normal	14˚F ~ 122˚F (-10˚C ~ +50˚C)	
		Heater	-22˚F ~ 122˚F (-30˚C ~ +50˚C)	
	Operating humidity		0 ~ 96% (non-condensing)	
	Ingress Protection		IP 66	
	External Dimension		300(D) x 98.4(H) mm x 87(W)	
	Weight		1kg	

*Heater Operating Temp. : 59°F(15°C)-ON / 77°F(25°C)-OFF ; tolerance ±5°C

EXTERNAL DIMENSION

300

282.3

87

98.4

Ø68

Ø80

Weight - Unit: 2.28 lb. (1.0kg)
Shipping: 2.94 lb. (1.3kg)

Unit: mm

50303663C