

INSTRUCTION MANUAL

CBT4H12IFW HD BULLET CAMERA



Please read this manual thoroughly before use and keep it handy for future reference

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 product. 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 ventilation openings. Install in accordance 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 cart, 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 INSTRUCTIONS 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 lighting 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 appliance.

LIMITATION OF LIABILITY

THE INFORMATION IN THIS PUBLICATION IS BELIEVED TO BE ACCURATE IN ALL RESPECTS; HOWEVER, WE CANNOT ASSUME RESPONSIBILITY FOR ANY CONSEQUENCES RESULTING FROM THE USE THEREOF. THE INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE. REVISIONS OR NEW EDITIONS TO THIS PUBLICATION MAY BE ISSUED TO INCORPORATE SUCH CHANGES.

PRECAUTIONS

Before installation, carefully read the manual to ensure correct operation and setup, heeding all warnings and instructions.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Ensure manual is kept in good condition for future use.

Do not install the device near any heat sources such as radiators, heat registers, stoves, or other equipment(including amplifiers) that produce heat.

Only use attachments/accessories specified by the manufacturer.

Should any liquid get into the housing, immediately disconnect the device from the power supply and have it

checked by authorized personnel before reusing.

Do not install the device in a place where it is exposed to gas or oil.

Installation and servicing by authorized personnel only, adhering to local safety regulations.

Unless you are an authorized technician, never try to dismantle the device. To avoid electric shock, never remove the screws or covers.

If a camera, do not expose the device to radioactivity. It will cause serious damage to the CCD.

Use Certified/Listed Class 2 power source only.

Cleaning

Clean the device with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

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INSTRUCTION

The 1/2.8" 4M Quad HD CMOS camera, especially for closed circuit television CCTV and security surveillance application.

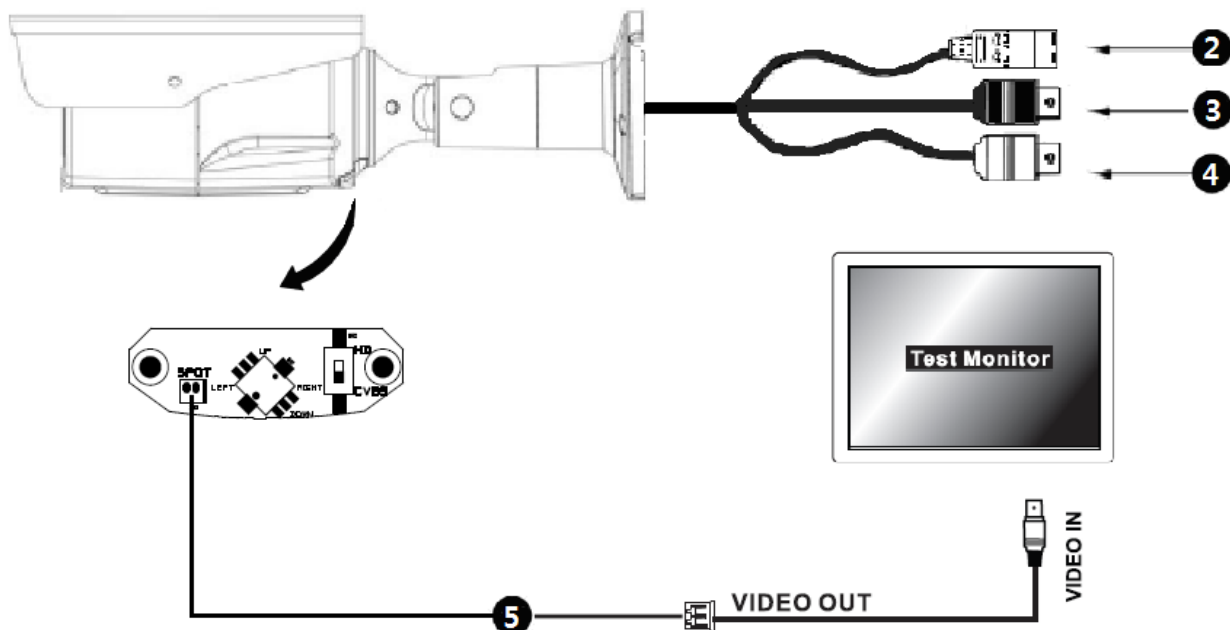
Features:

- High performance SONY 1/2.8" 5M STARVIS CMOS™
- Min. illumination 0.03 lux(Color), 0 lux(BW, IR LED ON)
- Auto electronic shutter [1/30(1/25) ~ 1/30,000] and manual electronic shutter modes
- True WDR (Wide Dynamic Range) – HD & CVBS
- HD(AHD/TVI Selectable) & CVBS Multi Output – 2 BNC
- D-WDR (Digital Wide Dynamic Range)
- BLC (Back-light compensation)
- HLC (High-light compensation)
- Auto and manual white balance modes (AUTO/AUTOext/Manual/AWB)
- Day & Night (ICR) : Auto / Color / BW /EXTERN
- OSD (on screen display)
- DNR (Digital Noise Reduction)
- IR Range distance up to 40M
- 35EA, 850nm IR LEDs
- Privacy mask Function (16zone)
- Motion Detection (4zone)
- Defog
- Composite Video Output (700TV Lines)
- Operates in AC24V \pm 10% / DC 12V \pm 10%
- Use Certified / Listed Class 2 Power source only



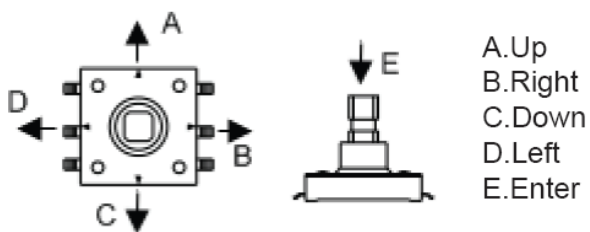
IMPORTANT : The user of this camera is responsible for checking and complying with local, state, and federal laws and statutes concerning the recording and monitoring of audio signals.

CAMERA CONNECTION



- ① Lens : Allows a wide area to be monitored.
- ② Power : 24V AC/ 12V DC 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 $12V \pm 10\%$ (12VDC is polarity dependant)
*If using DC 12V power adaptor, use power supply capable of supplying 8 Watts.
- ③ Video(HD) : BNC(Black) connector used to connect the camera to a DVR, etc.
- ④ Video(CVBS) : BNC(Yellow) connector used to connect the camera to a DVR, etc.
- ⑤ SPOT : Spot connector used to check video(CVBS) output.

LENS ADJUSTMENT



Tact Switch for motorized lens control.
Without being in the OSD:

Up – Zoom in

Down – Zoom out

The lens will then autofocus the lens based on the overall scene being viewed.

CONTENTS OF PACKAGE

Installation of the camera must be performed by qualified service personnel in accordance with all local and national electrical and mechanical codes.

Carefully remove the color camera and its accessories from the carton and verify that they were not damaged in shipment.

The content of the package includes:

1. Camera in housing
2. Sunshield
3. Sunshield Bolt
4. This manual
5. Accessory kit for installing
6. Drilling guide label



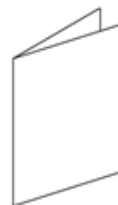
Camera



Sunshield



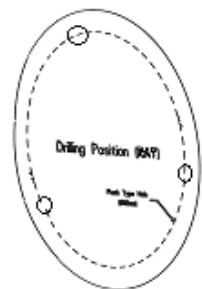
Sunshield Bolt



Manual



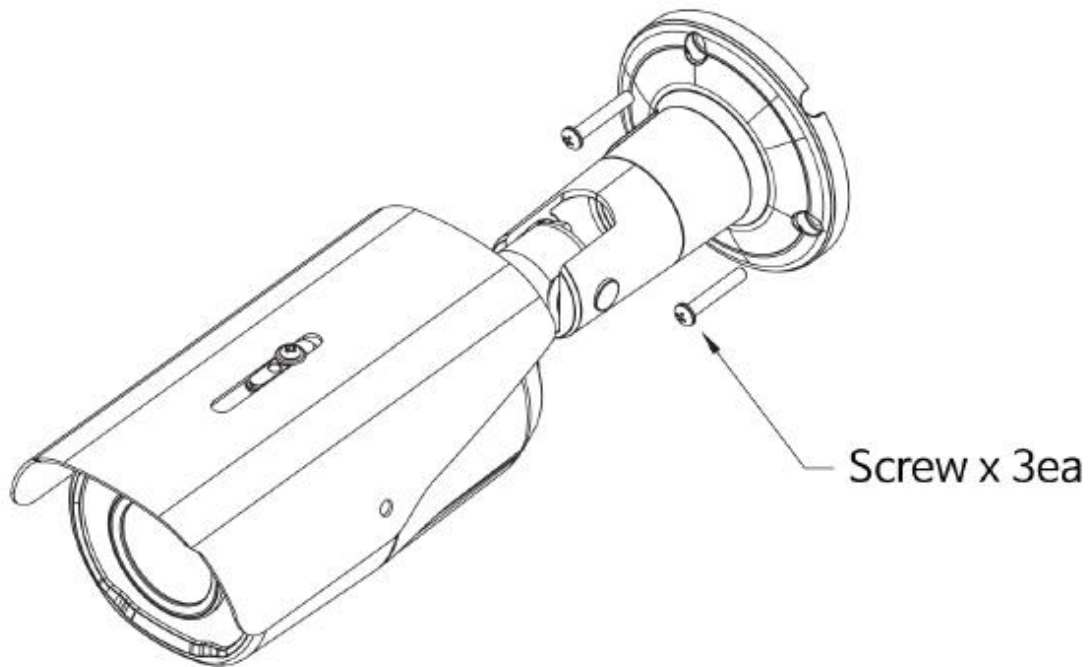
Accessory



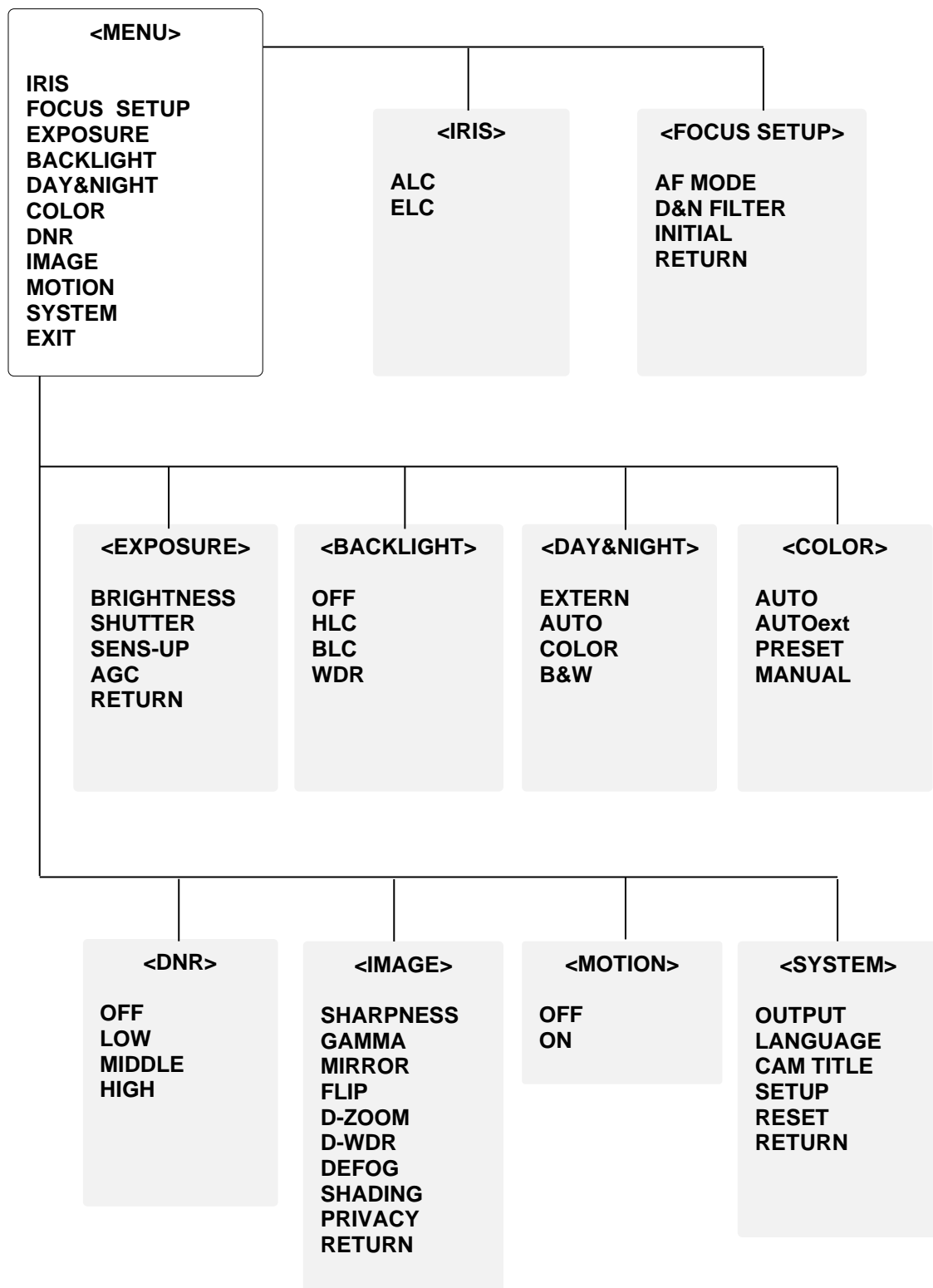
Drilling
Guide Label

INSTALLATION

To mount the bullet camera, fix the base of the camera with the three screws provided in the accessory kit.



STRUCTURE OF THE SETUP MENU



IRIS

The IRIS menu provides the ability to adjust the IRIS functions of the camera.

1) IRIS Select the IRIS mode. ► ALC(DC), ELC(Manual)

<IRIS> Mode

| MAIN MENU | |
|-------------|-----|
| ► IRIS | ALC |
| FOCUS SETUP | ↵ |
| EXPOSURE | ↵ |
| BACKLIGHT | OFF |
| DAY&NIGHT | ↵ |
| COLOR | ↵ |
| DNR | LOW |
| IMAGE | ↵ |
| MOTION | OFF |
| SYSTEM | ↵ |
| EXIT | |

FOCUS SETUP

The FOCUS SETUP menu provides the ability to adjust the AF MODE, D&N FILTER and INIT functions of the camera.

1) AF MODE One Shot, Manual.

2) D&N FILTER Refocus when switching between color/B&W and B&W/color
► SYNC OFF / SYNC ON

3) INIT Reinitializes the lens

<FOCUS SETUP> Mode

| MAIN MENU | | FOCUS SETUP | |
|---------------|-----|-------------|----------|
| IRIS | ALC | AF MODE | ONE SHOT |
| ► FOCUS SETUP | ↵ | D&N FILTER | SYNC OFF |
| EXPOSURE | ↵ | INITIAL | ON ↓ |
| BACKLIGHT | OFF | RETURN | ↵ |
| DAY&NIGHT | ↵ | RETURN | ↵ |
| COLOR | ↵ | | |
| DNR | LOW | | |
| IMAGE | ↵ | | |
| MOTION | OFF | | |
| SYSTEM | ↵ | | |
| EXIT | | | |

EXPOSURE

The EXPOSURE menu is used to set the automatic light control method for the camera. It provides the ability to adjust the BRIGHTNESS, SHUTTER speed, SENS-UP and AGC functions of the camera.

1) BRIGHTNESS Adjust the BRIGHTNESS level. ► 0 - 20

2) SHUTTER Select the SHUTTER speed level.
▢ Auto (INDOOR, OUTDOOR, DEBLUR), MANUAL 1/30(25) - 1/30000, FLICKER

3) SENS-UP Select the Digital Slow Shutter level. ► OFF, x2 ~ x32

4) AGC Adjust the Auto Gain Control level. ▢ 0 - 10

<EXPOSURE> Mode

| MAIN MENU | | FOCUS SETUP | |
|-------------|-----|-------------|-----------|
| IRIS | ALC | BRIGHTNESS | 10 ---- |
| FOCUS SETUP | ↵ | SHUTTER | AUTO↵ |
| ► EXPOSURE | ↵ | SENS-UP | x4 |
| BACKLIGHT | OFF | AGC | 8 ---- |
| DAY&NIGHT | ↵ | RETURN | ↵ |
| COLOR | ↵ | | |
| DNR | LOW | | |
| IMAGE | ↵ | | |
| MOTION | OFF | | |
| SYSTEM | ↵ | | |
| EXIT | | | |

BACKLIGHT

The BACKLIGHT menu is used to the ability to prevent back lighting from the image.

1)HLC Mask the high light zone with specific color & level.

LEVEL Select the HLC level ► 0 ~ 20

COLOR Select the HLC area color
► BLK,WHT,YEL,CYN,GRN,MAG,RED,BLU

2)BLC Prevents such a back light effect to secure a clear image under All illumination environments.

Adjust the position & size of Back Light Compensation area.

H-POS Adjust the BLC area window horizontal position ► 0 - 26

V-POS Adjust the BLC area window vertical position ► 0 - 24

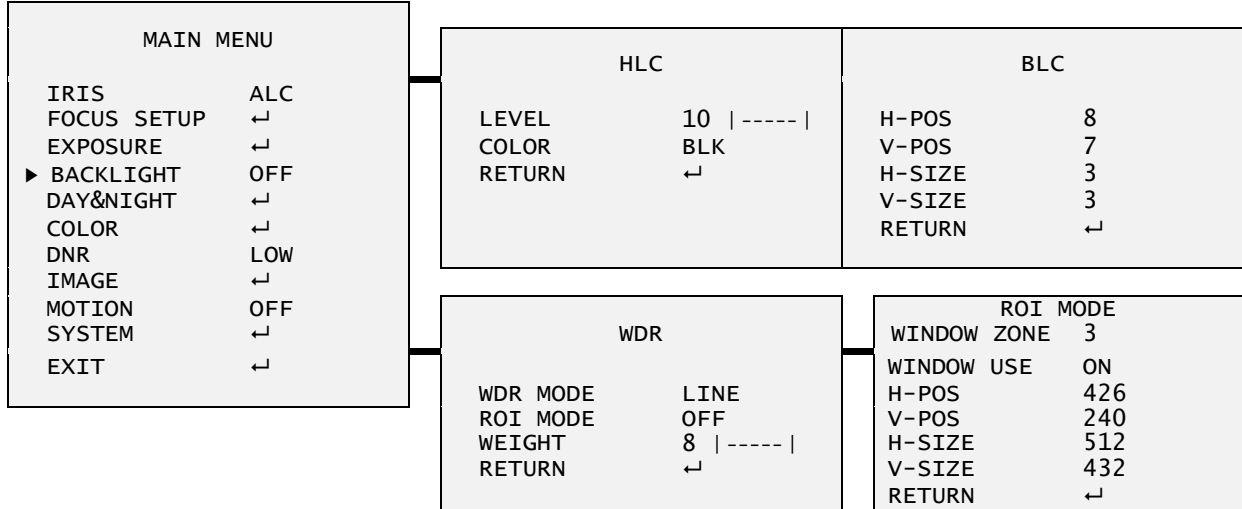
H-SIZE Adjust the BLC area window horizontal size ► 0 - 26

V-SIZE Adjust the BLC area window vertical size ► 0 - 24

3)WDR Expands the dynamic range light effect to secure a clear image under All illumination environments.

- WDR MODE** Select the WDR mode ► LINE, FRAME
- ROI MODE** Select the WDR area
► OFF, BOX (Window Zone, Position, Size)
- WEIGHT** Adjust the WDR level ► 0~10

<BACK LIGHT> Mode



DAY&NIGHT

The DAY&NIGHT menu is used to configure the day and night related. setting for the camera.

1) EXTERN

- IR LED** Turn on/off IR LED ☐ FULL, OFF
- ANTI-SAT.** Adjust levels of Anti-Saturation ► 0 - 20
- EXTERN SW** Adjust levels of External sensor ☐ LOW, HIGH
- D>N THRES** Adjust levels of transition ☐ 0 - 20
- N>D THRES** Adjust levels of transition ► 0 - 20
- DELAY** Adjust time of D&N change ► LOW, MIDDLE, HIGH

2) AUTO

- D>N THRES** Adjust levels of transition ☐ 0 - 20
- N>D THRES** Adjust levels of transition ► 0 - 20
- DELAY** Adjust time of D&N change ► LOW, MIDDLE, HIGH

AUTO mode are changed according to the brightness of the image.
Use only when the camera is installed in a dark place but the camera is viewing a bright place. When used in a normal installation, hunting may occur.

3) COLOR

4) B&W

- IR LED** Turn on/off IR LED ☐ FULL, OFF
- ANTI-SAT.** Adjust levels of Anti-Saturation ► 0 - 20
- D>N THRES** Adjust levels of transition ☐ 0 - 20
- N>D THRES** Adjust levels of transition ► 0 - 20

DELAY

Adjust time of D&N change ► LOW, MIDDLE, HIGH

<DAY & NIGHT> Mode

| MAIN MENU | | MODE | | MODE | |
|-------------|-----|-----------|-----------|-----------|-----------|
| IRIS | ALC | IR LED | FULL | D>N THRES | 13 ----- |
| FOCUS SETUP | ↵ | ANTI-SAT. | 2 ----- | N>D THRES | 7 ----- |
| EXPOSURE | ↵ | EXTERN SW | LOW | DELAY | MIDDLE |
| BACKLIGHT | OFF | D>N THRES | 13 ----- | RETURN | ↵ |
| ► DAY&NIGHT | ↵ | N>D THRES | 7 ----- | | |
| COLOR | ↵ | DELAY | MIDDLE | | |
| DNR | LOW | RETURN | ↵ | | |
| IMAGE | ↵ | | | | |
| MOTION | OFF | | | | |
| SYSTEM | ↵ | | | | |
| EXIT | ↵ | | | | |

| MODE | | MODE | |
|-----------|----------|-----------|-----------|
| IR LED | NOT USED | IR LED | FULL |
| ANTI-SAT. | NOT USED | ANTI-SAT. | 2 ----- |
| D>N THRES | NOT USED | D>N THRES | 13 ----- |
| N>D THRES | NOT USED | N>D THRES | 7 ----- |
| DELAY | NOT USED | DELAY | MIDDLE |
| RETURN | ↵ | RETURN | ↵ |

COLOR

The screen color can be adjusted by using the Color function.

It compensates for deviations in the white color caused by changes in the color temperature of the light source so that the colors are reproduced correctly.

1)AUTO

Automatically adjust indoor color temperature.

COLOR GAIN Adjust the COLOR GAIN level. ► 0 - 20

2)AUTOext

Automatically adjust outdoor color temperature.

COLOR GAIN Adjust the COLOR GAIN level. ► 0 - 20

3)PRESET

Automatically readjust only by pressing.

COLOR GAIN Adjust the COLOR GAIN level. ► 0 - 20

4)MANUAL

Manual mode.

User can change Color Temp. Red and Blue gain value manually.

C-TEMP 3000°K, 5000°K, 8000°K

R-GAIN 0 ~ 20

B-GAIN 0 ~ 20

COLOR GAIN Adjust the COLOR GAIN level. ► 0 - 20

<COLOR> Mode

| MAIN MENU | | AWB | | AWB | |
|-------------|-----|------------|-----------|------------|-----------|
| IRIS | ALC | COLOR GAIN | AUTO | COLOR GAIN | AUTOext |
| FOCUS SETUP | ↵ | RETURN | 12 ----- | RETURN | 12 ----- |
| EXPOSURE | ↵ | | ↵ | | ↵ |
| BACKLIGHT | OFF | | | | |
| DAY&NIGHT | ↵ | | | | |
| ► COLOR | ↵ | | | | |
| DNR | LOW | | | | |
| IMAGE | ↵ | | | | |
| MOTION | OFF | | | | |
| SYSTEM | ↵ | | | | |
| EXIT | ↵ | | | | |

| AWB | | AWB | |
|--------|-----------|--------|-----------|
| C-TEMP | 5000°K | C-TEMP | 5000°K |
| R-GAIN | 10 ----- | R-GAIN | 10 ----- |
| B-GAIN | 10 ----- | B-GAIN | 10 ----- |
| RETURN | ↵ | RETURN | ↵ |

DNR

The IMAGE menu provides the ability to adjust the DNR functions of the camera.

1) DNR Select Digital Noise Reduction. ► OFF, LOW, MIDDLE, HIGH

<DNR> Mode

| MAIN MENU | |
|-------------|-----|
| IRIS | ALC |
| FOCUS SETUP | ↵ |
| EXPOSURE | ↵ |
| BACKLIGHT | OFF |
| DAY&NIGHT | ↵ |
| COLOR | ↵ |
| ► DNR | LOW |
| IMAGE | ↵ |
| MOTION | OFF |
| SYSTEM | ↵ |
| EXIT | |

IMAGE

The IMAGE menu provides the ability to adjust the SHARPNESS, GAMMA, MIRROR, FLIP, D-ZOOM, D-WDR, DEFOG, SHADING and PRIVACY functions of the camera.

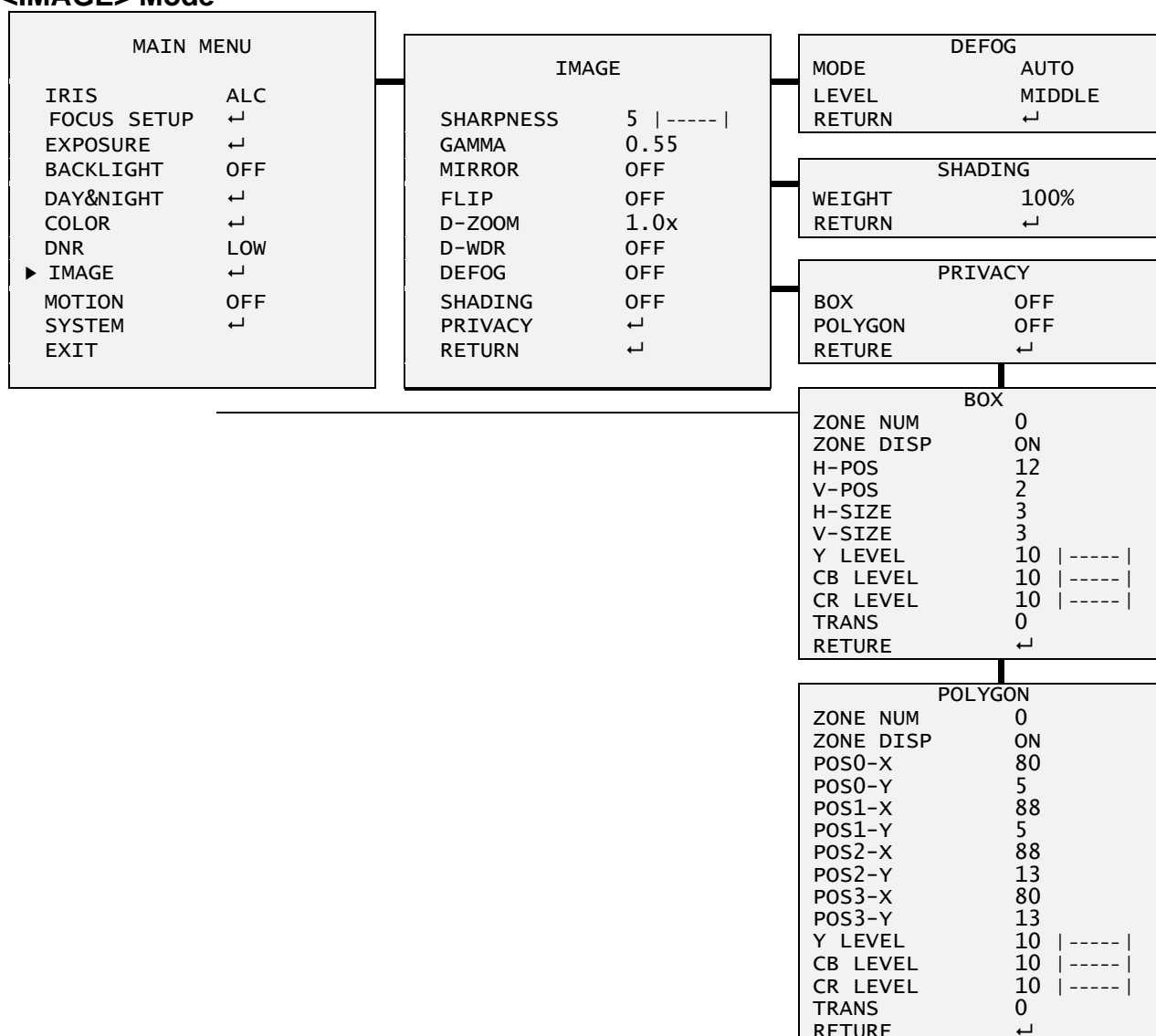
- 1) SHARPNESS** Adjust the SHARPNESS level. ► 0 - 10
- 2) GAMMA** Select the gamma level ► 0.45, 0.55, 0.65, 0.75
- 3) MIRROR** Select mirror mode ► ON, OFF
- 4) FLIP** Select flip mode ► ON, OFF
- 4) D-ZOOM** Select Digital ZOOM mode ► 1.0x ~ 16.0x
- 6) D-WDR** Select the Digital WDR mode ► OFF, LOW, MIDDLE, HIGH
- 7) DEFOG** Select the DEFOG mode. ► OFF, ON
MODE ► AUTO, MANUAL
LEVEL ► LOW, MIDDLE, HIGH
- 8) SHADING** Select the Lens Shading Compensation. ► OFF, ON
WEIGHT ► 0% ~ 100%
- 9) PRIVACY** Hide an area you want to hide on the screen ► BOX, POLYGON

[BOX Mode]

- ZONE NUM** Select the privacy zone ► AREA0 - AREA15
- ZONE DISP** Select the privacy zone display ► OFF, ON
- H-POS** Select the privacy zone horizontal position ► 0 - 80
- V-POS** Select the privacy zone vertical position ► 0 - 46
- H-SIZE** Select the privacy zone horizontal size ► 0 - 80
- V-SIZE** Select the privacy zone vertical size ► 0 - 46
- Y LEVEL** Select the privacy zone darkness ► 0 - 20
- CB LEVEL** Select the privacy zone blue color ► 0 - 20
- CR LEVEL** Select the privacy zone red color ► 0 - 20

| | |
|-----------------------|--|
| TRANS | Select the privacy zone transparency ► 0 - 3 |
| [POLYGON Mode] | |
| ZONE NUM | Select the privacy zone ► AREA0 – AREA7 |
| ZONE DISP | Select the privacy zone display ► OFF, ON |
| POS0-X | Select the privacy zone left-up X-Axis position ► 0 - 160 |
| POS0-Y | Select the privacy zone left-up Y-Axis position ► 0 - 91 |
| POS1-X | Select the privacy zone right-up X-Axis position ► 0 - 160 |
| POS1-Y | Select the privacy zone right-up Y-Axis position ► 0 - 91 |
| POS2-X | Select the privacy zone left-down X-Axis position ► 0 - 160 |
| POS2-Y | Select the privacy zone left-down Y-Axis position ► 0 - 91 |
| POS3-X | Select the privacy zone right-down X-Axis position ► 0 - 160 |
| POS3-Y | Select the privacy zone right-down Y-Axis position ► 0 - 91 |
| Y LEVEL | Select the privacy zone darkness ► 0 - 20 |
| CB LEVEL | Select the privacy zone blue color ► 0 - 20 |
| CR LEVEL | Select the privacy zone red color ► 0 - 20 |
| TRANS | Select the privacy zone transparency ► 0 - 3 |

<IMAGE> Mode



MOTION

The MOTION menu provides the ability to adjust the MOTION functions of the camera.

- 1) MOTION** Detects the motioned object in the image. ► ON, OFF
- DET WINDOW** Select the motion area ► WINDOW ZONE, WINDOW USE, POSITION, SIZE
- SENSITIVITY** Adjust the motion sensitivity level ► 0 - 10
- MOTION OSD** Select the motion OSD ► ON, OFF
- TEXT ALARM** Select the motion text display ► ON, OFF
- SIGNAL OUT** Select the motion signal out ► ON, OFF

<MOTION> Mode

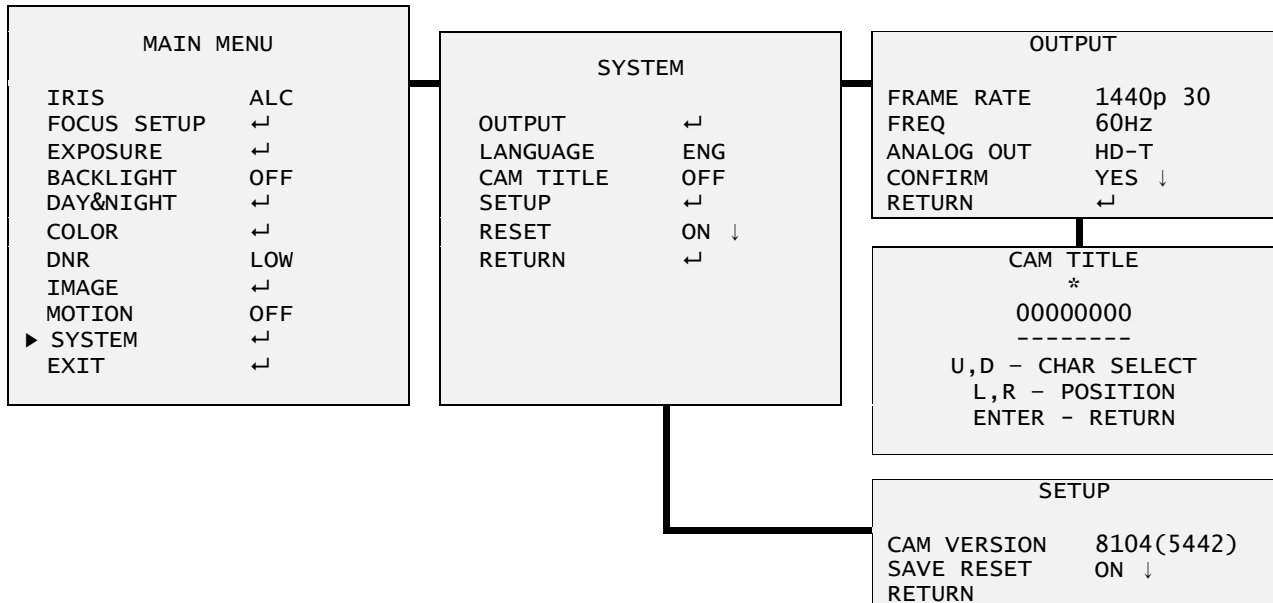
| MAIN MENU | | MOTION | | DET WINDOW | |
|-------------|-----|-------------|----------|-------------|----|
| IRIS | ALC | DET WINDOW | ↵ | WINDOW ZONE | 0 |
| FOCUS SETUP | ↵ | SENSITIVITY | 5 ---- | WINDOW USE | ON |
| EXPOSURE | ↵ | MOTION OSD | OFF | DET H-POS | 1 |
| BACKLIGHT | OFF | TEXT ALARM | OFF | DET V-POS | 1 |
| DAY&NIGHT | ↵ | RETURN | ↵ | DET H-SIZE | 78 |
| COLOR | ↵ | | | DET V-SIZE | 43 |
| DNR | LOW | | | RETURN | ↵ |
| IMAGE | ↵ | | | | |
| ► MOTION | OFF | | | | |
| SYSTEM | ↵ | | | | |
| EXIT | ↵ | | | | |

SYSTEM

The SYSTEM menu provides the ability to adjust the OUTPUT, LANGUAGE, CAM TITLE, SETUP and RESET functions of the camera.

- 1) OUTPUT** Select the output mode and control.
- FRAME RATE** Select the frame rate ► 1440p 30(25), 1080p 30(25)
- FREQ** Select the frequency ► 60HZ, 50HZ
- ANALOG OUT** Select the output mode ► HD-A(AHD), HD-T(TVI)
- 2) LANGUAGE** Select the OSD menu LANGUAGE
- ENG, CHN, CHN(S), JPN, KOR
- 3) CAM TITLE** Select the camera title maximum of 8 characters are allowed.
- RIGHT UP, LEFT UP
- 5) SETUP** Setting the camera version.
- CAM VERSION** Select the camera version
- SAVE RESET** Save the user setting value
- 6) RESET** Factory initialization of camera settings

<SYSTEM> Mode



DC AUTO IRIS LENS

| | |
|-----------------------|--|
| Image Size | 1/2.8" CMOS |
| Focal Length | 2.7-12mm |
| Aperture Ratio | F1.6(Wide) ~ 2.9(Tele) |
| Angular Field of View | DIAGONAL 2.8mm : 130° 12mm : 37° |

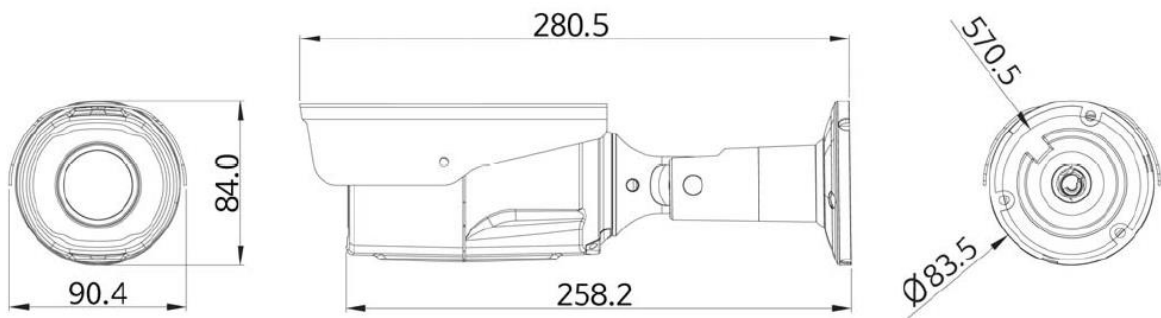
SPECIFICATION

| MODEL | | 4M HD-Hybrid WDR IR Bullet CAMERA |
|---------|-------------------|--|
| Power | Power Source | AC24V ± 10% / DC12V ± 10% |
| | Power Consumption | Max 7.2 Watts (600mA) |
| General | Image Sensor | 1/2.8" 5M Sony CMOS |
| | Total Pixels | 2704(H) x 2104(V) |
| | Active Pixels | 2608(H) x 1960(V) |
| | Scanning System | 16:9 Progressive |
| | Sync. System | Internal |
| | Video Frame Rate | 2560 × 1440p@30 fps ; 2560 × 1440p@25 fps |
| | CVBS Resolution | 700TVL |
| | Min. illumination | 0.03 lux(COLOR) / 0 lux(BW, IR LED ON) |
| | Video Output | BNC 1 (TVI / HD-A Selectable) / BNC 2 (CVBS) |

| | | | |
|-----------------|-----------------------|-----------------|---|
| | IR | IR LED | 35ea IR LEDs (850nm) |
| | | DISTANCE | 40M |
| | Camera Control | | OSD Menu (Joystick Switch, coaxial control) |
| | S/N Ratio | | More than 52dB (AGC off) |
| Function | Lens | | DC(ALC) / MANUAL(ELC) |
| | Exposure | Shutter | AUTO / FLCKER / MANUAL(1/30(25)~1/30,000 sec |
| | | AGC | 1 ~ 10 |
| | | Sens-UP | OFF / x2/ x4/ x8/ x16/ x32 |
| | | Brightness | 1 ~ 20 |
| | Backlight | | OFF / HLC / BLC / WDR |
| | White Balance | | AUTO(Indoor) / AUTOext(Outdoor) / PRESET / MANUAL |
| | Day & Night | | AUTO / COLOR / B&W / EXTERN |
| | DNR | | OFF / LOW / MIDDLE / HIGH |
| | Image | Color Gain | 0 ~ 20 |
| | | Sharpness | 0 ~ 20 |
| | | Mirror | OFF / ON |
| | | Gamma | 0.45 / 0.55 / 0.65 / 0.75 |
| | | Flip | OFF / ON |
| | | D-WDR | OFF / ON |
| | | Defog | OFF / ON (MANUAL/AUTO) |
| | | Privacy Masking | OFF / ON (BOX 16 zone, Polygon 8 zone) |
| | | Motion | OFF / ON (4 zone) |
| | | Language | ENG / CHN / CHN(S) / JPN / KOR |
| | | Video mode | 60Hz (NTSC) / 50Hz (PAL) |
| | Focus Setup | AF Mode | ONE SHOT / MANUAL |
| | | TDN AF | OFF / ON |
| | | Lens Initialize | Enter |
| | EXIT | | EXIT (Auto Save) |
| Connector & ETC | Power input | | Terminal Block |
| | Video output | | BNC 1 Connector (TVI/HD-A) / BNC 2 Connector (CVBS) |
| | Transmission Distance | | Over 500m via 5C-2V coaxial cable |
| | Lens mount | | Fixed mount |
| | Lens | | 2 Motor, f=2.7~12mm F1.6~2.9 Varifocal, ICR (D&N) |
| | Operating temperature | | 14°F ~ 122°F (-10℃ ~ +50℃) |
| | Operating humidity | | 0 ~ 96% (non-condensing) |
| | External dimension | | 90.4(W) x 84(H) x 280.5 mm(D) |
| | Weight | | 1000g |

* Specifications are subject to change without notice *

EXTERNAL DIMENSION



CBT4H12IFW
HD BULLET CAMERA

5030xxxxA