IQCCTV

Full HD Varifocal Camera

Models:

IQC1080BV
IQC1080VV

OSD Guide

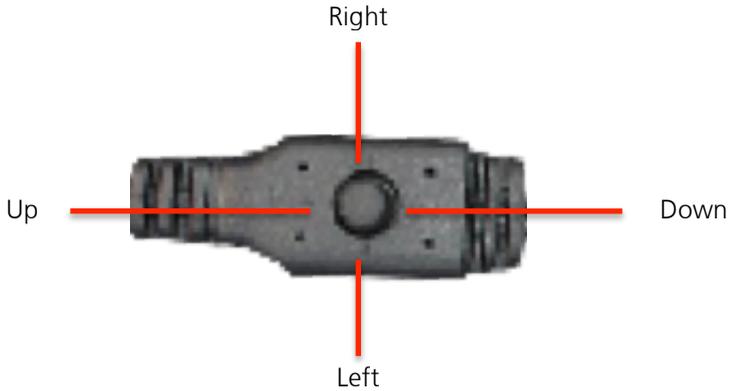Version 1

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SAFETY PRECAUTIONS

1. DO NOT install in an environment with too much moisture, dust or smoke as this may result in fire of electric shock.

2. In the unlikely event that the camera should malfunction, and emit an abnormal smell or smoke, please immediately turn the camera off and contact your supplier.

3. Please DO NOT place this camera near a heat source to avoid risk of fire.

4. Please DO NOT install, store or use this camera in danger areas with inflammable or explosive substances.

5. Please make sure the product is turned off when installing.

6. Please make sure you install the camera in an area with good ventilation.

7. When installing the camera, please make sure it does not face any objects giving out a strong light as this will damage the CCD of the camera.

1. Introduction

The camera's default resolution is Full HD 1080P, however you can change this. To do so, turn the camera on and move the joystick left for 5 seconds to switch the camera to 960H mode. Move the joystick right for 5 seconds to switch the camera to back to AHD 2.0 (1080P) mode.

To access the camera menu, when the camera is on press the OSD controller in for 2 seconds. When the menu has appeared, you will be presented with the following options:

- Lens
- Exposure
- Backlight
- White Balance
- D/N (Day/Night)
- NR
- Special
- Adjust

2. OSD Menu

MENU	
1. Lens	Manual
2. Exposure	-
3. Backlight	Off
4. White Bal	ATW
5. Day/Night	EXT-
6. NR	-
7. Special	-
8. Adjust	-
9. Exit	Save&End

2.1 Lens

DC LENS MODE	
1. Mode	Indoor
2. IRIS Speed	---- 15
3. Return	RET

Select the lens type from either DC or Manual. Use the joystick to navigate between the options and when on the desired option, press the joystick in to select. Selecting the DC option will bring up a sub-menu as follows:

DC

- **Mode** - adjust the lens mode from Indoor or Outdoor.
- **Iris Speed** - adjust the iris speed between 0-15.

Return: Save / End and return to the previous menu.

2.2 Exposure

Exposure	
1. Shutter	Auto
2. AGC	---- 15
3. Sens-up	Off
4. Brightness	---- 40
5. D-WDR	Off
6. Defog	On
7. Return	RET

The exposure menu allows you to adjust: Shutter, AGC, Sens-up, Brightness, WDR and Defog on the camera. When selecting the exposure option, you will be presented with the sub-menu as shown above.

- **Shutter** - Adjust the shutter speed on the camera (Auto, 1/25, 1/50, FLK, 1/200, 1/400, 1/1000, 1/2000, 1/5000, 1/10000, 1/50000, X2, X4, X6, X8, X10, X15, X20, X25, X30). The shutter will only take effect when the DC mode is selected for the lens
- **AGC** - Adjust the AGC between 0-15 (Default 15).
- **Sens-Up** – Turn the Sens-up option off or to auto. When selecting auto, you can choose between: X2, X4, X6, X8, X10, X15, X20, X25, X30 options.
- **Brightness** – Adjust the brightness of the camera image from 1-100 (100 being brightest). The default setting is 40.
- **D-WDR** – Turn the D-WDR setting on, off or Auto. When selecting on, you can adjust the level.
- **Defog** – Turn the defog option to off or auto. When selecting auto, you can select the position, size of the defogged area and the gradation (0/1/2).

2.3 Backlight

BLC	
1. Level	Middle
2. Area	-
3. Default	-
4. Return	RET

HSBLC	
1. Select	Area1
2. Display	On
3. Black Mask	On
4. Level	-------- 70
5. Mode	All Day
6. Default	-
7. Return	RET

The Backlight option allows you to adjust the backlight options and also set the highlight suppression (HSBLC). Choosing the Backlight (BLC) option will bring up the menu on the top left, the HSBLC option will bring up the menu on the top right.

- **BLC** – Select this option to allow objects in front of bright light to be seen clearer by making the background darker. The level of backlight compensation can be set (Low, middle or high) and you can also set the area.
- **HSBLC** – Select this option to mask bright areas in an image. You can set up to 4 areas on the image, choose to display a black mask, set the level of highlight suppression and set the mode from all day or all night.

2.4 White Balance

MAIN MENU	
1. Lens	Manual
2. Exposure	-
3. Backlight	HSBLC
4. **White Bal**	**ATW**
5. Day & Night	EXT
6. NR	-
7. Special	-
8. Adjust	-
9. Exit	Save & end

The White Balance option allows you to set the function to AWB, ATW or AWC. To adjust this option, go to the main menu and navigate down, then toggle right to move through the options.

- **AWB** – Set the white balance to Automatic.
- **ATW** – Turn this function on for the camera to detect colour temperature automatically.
- **AWC—SET** - Select this option to fix the white balance to a special value.
- **Manual** – Set the white balance to manual mode. In this option, you can adjust the colour temperature from manual, indoor or outdoor. In each of these options, you will need to set the blue and red gain.

2.5 Day/Night

MAIN MENU	
1. Lens	Manual
2. Exposure	-
3. Backlight	HSBLC
4. White Bal	ATW
5. **Day & Night**	**EXT**
6. NR	-
7. Special	-
8. Adjust	-
9. Exit	Save & end

This option allows you to set the camera into the day or night function. You can choose from EXT, Auto, Colour and Black & White mode.

- **D&N EXT** – This option allows you to set the day & night function to be decided by external factors, for example the IR sensor. You can set the time delay (0-60 seconds) for when the camera goes from day to night and night to day.
- **D&N Auto** – Select the auto option so that the camera will switch from day to night mode when the camera reaches a certain lux level. Here you can set AGC level and also time delay:

    D – N (AGC): AGC Value 1-255 (Default 240).
    D – N (DELAY): Delay time 0-60 (Default 1).
    N – D (AGC): AGC Value 1-255 (Default 100).
    N – D (DELAY): Delay time 0-60 (Default 3).

- **Colour** – Set the camera's image to colour
- **B/W** – Set the camera's image to Black & White. You can also set the burst function, Smart IR function & IR PWM. When turning the IR PWM function on, you can adjust the level from 0-100.

2.6 NR

MAIN MENU	
1. Lens	Manual
2. Exposure	-
3. Backlight	HSBLC
4. White Bal	ATW
5. Day & Night	EXT
6. NR	**-**
7. Special	-
8. Adjust	-
9. Exit	Save & end

The NR function allows you to set the Digital Noise Reduction function on the camera. You can set the camera to 2DNR or 3DNR. You can set the level of each from Off, Low, Middle or High.

2.7 Special

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┌─────────────────────────────────────┐
│           MAIN MENU                  │
│                                      │
│  1. Lens              Manual         │
│  2. Exposure          -              │
│  3. Backlight         HSBLC          │
│  4. White Bal         ATW            │
│  5. Day & Night       EXT            │
│  6. NR                -              │
│  7. Special           -              │
│  8. Adjust            -              │
│  9. Exit              Save & end     │
│                                      │
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The Special option allows you to adjust various settings on the camera: Camera Title, D-Effect, Motion Detection, Privacy Zones, Languages and RS485.

- **Cam Title** – This option allows you to set a camera title. When selected you will be presented with a keyboard to select letters/numbers. Move the joystick to navigate and press in to choose the letter/number.
- **D EFFECT** – You can freeze the image, set a mirror function and set a negative image setting.
- **Motion** – This option allows you to set the motion detection function. When selected, you will be presented with a sub-menu with the following options:
    o **Area** – Set up to 4 areas of detection
    o **Display** – The selected areas can show up on screen if you set this function to on.
    o **Sensitivity** – Adjust the sensitivity of the motion detection (0-100). Default is 64.
    o **Colour** – Change the colour of motion detection area (Green, Blue, White, Red).
    o **Trans** – Set the trans option from values 1.00, 0.75 or 0.25.
    o **Alarm** – Adjust the alarm function for when the camera detects motion, select OSD view, alarm out, alarm signal and the amount of time the camera detects motion before sends an alarm.
    o **Default** – Reset the camera to it's default settings.

- **Privacy** – Turn the privacy function on or off. When selecting on, you can set the privacy area, display, colour and trans.
- **Language** – Set the language for the OSD menu
- **Defect** – This option allows you to set Live DPC (on/off), White DPC (on/off) and Black DPC (On/Off). On each you can set the position, size level and AGC.
- **RS485** – Set the Camera ID (0-255), ID Display (On/Off) and the Baud Rate (38400, 2400, 4800, 9600, 19200).

2.8 Adjust

```
            MAIN MENU

1. Lens              Manual
2. Exposure          -
3. Backlight         HSBLC
4. White Bal         ATW
5. Day & Night       EXT
6. NR                -
7. Special           -
8. Adjust            -
9. Exit              Save & end
```

The adjust option allows you to change settings to get the best image for your needs. When entering the adjust option you will be presented with a sub-menu: Sharpness, Monitor, LSC, Video Out.

- **Sharpness** – Adjust the sharpness level on the camera. You can set the level (0-10), Start AGC (0-255) and End AGC (0-255)
- **Monitor** – Adjust the monitor to LCD or CRT. You can adjust the following:
  - o **LCD** – Adjust the Black Level, Gamma, Blue Gain and Red Gain.
  - o **CRT** – Adjust the Black Level, Blue Gain and Red Gain
- **LSC** – Turn the LSC function on or off.
- **Video Out** – Choose the video option (NTSC, PAL)

2.9 EXIT

Exit the main menu and go back to the camera. You will be asked to save and exit, exit without saving or reset the camera back to factory settings.

Manufactured for:

IQCCTV

UL CE RoHS Compliant

TECHNICAL SUPPORT

For technical support, please contact your local distributor.

Alternatively, call 0871 222 1430

LIMITED WARRANTY

This product is supplied with a 12 month warranty. The warranty excludes products that have been misused (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.