

# **WBOX HD 4-in-1**

# **Analog Camera OSD**

## Operation Guide

V1.0

2017-08-17

**Purpose**

This document describes how to control the camera using DVR UTC, how to use the joystick/five buttons on the camera and how to modify camera settings using the OSD Menu.

**Product Models**

0E-HDD1MP28	0E-HDB1MP36	0E-HDD2MP28
0E-HDD1MP28G	0E-HDB1MP36G	0E-HDD2MP28G
0E-HDB2MP36	0E-HDDMO2812	0E-HDBMO2812
0E-HDB2MP36G	0E-HDDM2812G	0E-HDBM2812G

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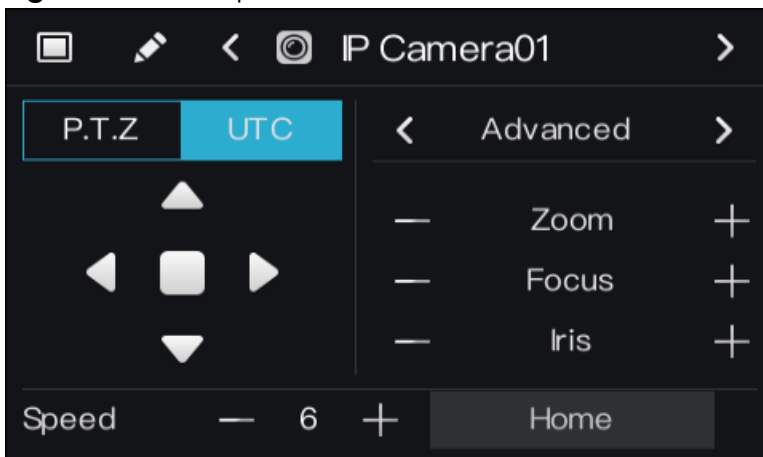
# 1 OSD Main Menu

## 1.1 Procedure

### 1.1.1 Camera Control over DVR UTC

**Step 1** Connect the coaxial HD camera to the coaxial HD disk recorder. Use the DVR (PTZ) control module to invoke the PTZ operation interface, and then select **UTC**. Figure 1-1 shows the UTC operation interface.

**Figure 1-1** UTC operation interface



The UTC operation interface provides four ARROW buttons and one SET button.

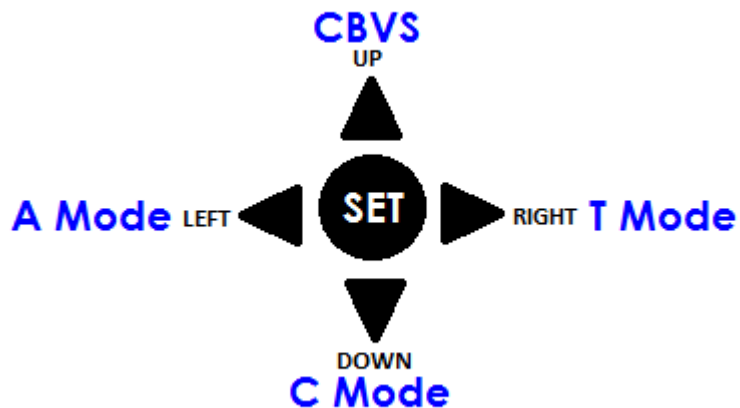
	UP
	DOWN
	RIGHT
	LEFT
	SET

**Step 2** Click the **SET** button to open the OSD main menu or end the setup.

### 1.1.1 Camera Control using the FIVE BUTTONS (joystick)

If your camera has four arrow buttons and one **SET** button, you can use the buttons to operate the OSD main menu. Figure 1-2 shows the five buttons.

**Figure 1-2** Five-button Layout



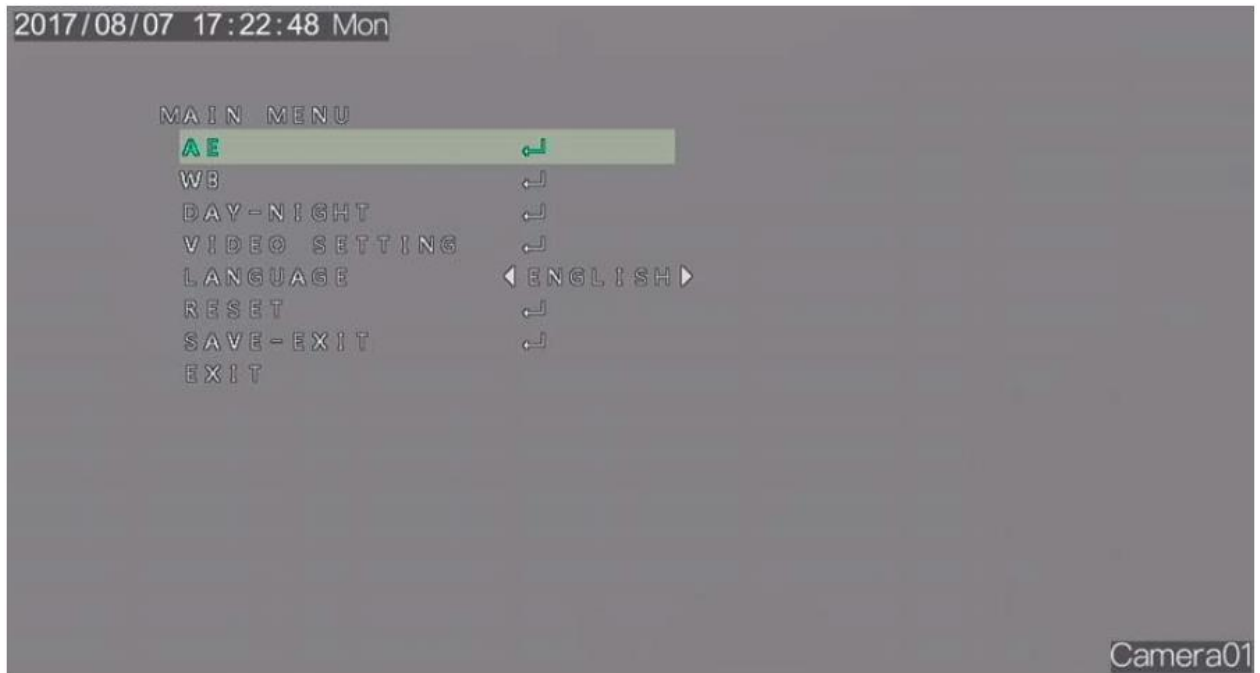
**The buttons have the following functions:**

- **SET:** Press this button to open the OSD main menu or end setup.
- **UP/DOWN:** Press the two buttons to select the upper or lower menu.
- **LEFT/RIGHT:** Press the two buttons to select different modes.
- Press and hold the **LEFT** button for 5s to switch to **AHD** mode for output of the 1080PAHD signal.
- Press and hold the **RIGHT** button for 5s to switch to **TVI** mode for output of the 1080P TVI signal.
- Press and hold the **UP** button for 5s to switch to **CVBS** mode for output of the 960H analog signal.
- Press and hold the **DOWN** button for 5s to switch to **CVI** mode for output of the 1080P CVI signal.

## 1.2 OSD Main Menu Interface

The OSD main menu interface includes **AE**, **WB**, **DAY-NIGHT**, **VIDEO SETTING**, **LANGUAGE**, **RESET**, **SAVE-EXIT** and **EXIT**, as shown in Figure 1-3.

**Figure 1-3** OSD main menu interface



## 2 OSD Setting

### 2.1 EXPOSURE

AE is intended to adjust image brightness by setting parameters such as aperture, shutter, and gain. The **EXPOSURE** interface includes **BRIGHTNESS**, **EXPOSURE MODE** and **GAIN**.

#### Procedure

**Step 1** Press the **UP** or **DOWN** button to select **AE**.

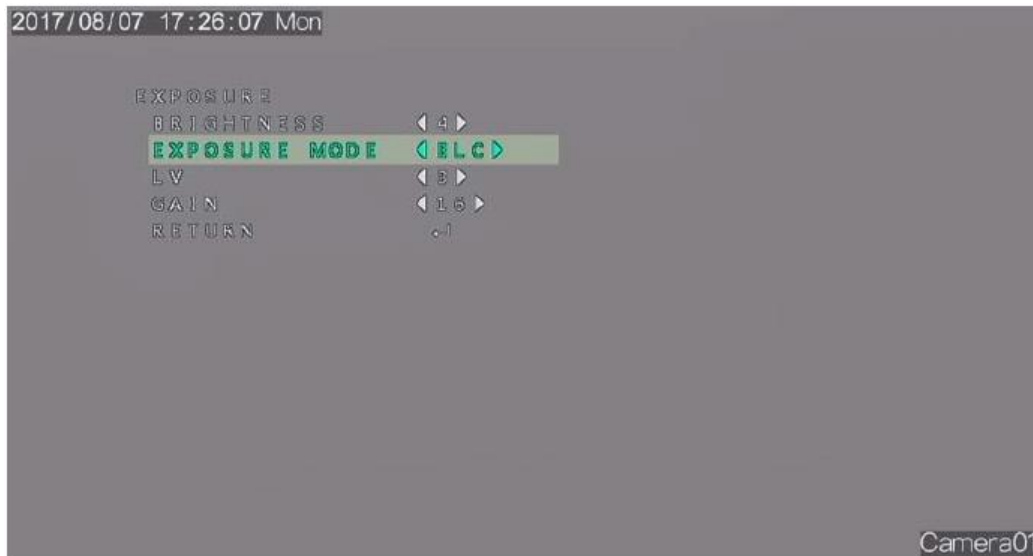
**Step 2** Press the **SET** button to open the **EXPOSURE** interface, as shown in Figure 2-1.

**Figure 2-1** EXPOSURE interface



**Step 3** Press the **UP** or **DOWN** button to select **BRIGHTNESS** and press the **LEFT** or **RIGHT** button to select a brightness value. The default brightness is 4 and the setting range is 1-20.

**Step 4** Press the **UP** or **DOWN** button to select **EXPOSURE MODE** and press the **LEFT** or **RIGHT** button to select an exposure mode. The **EXPOSURE MODE** includes **GLOBE**, **GENTER**, **BLC** and **FLC**.

**Figure 2-2 EXPOSURE** interface (for BLC)

**Step 5** Press the **UP** or **DOWN** button to select **LV** and press the **LEFT** or **RIGHT** button to select an LV value. The default LV is 3 and the setting range is 0-8 (this step is only for BLC mode).

**Step 6** Press the **UP** or **DOWN** button to select **GAIN** and press the **LEFT** or **RIGHT** button to select a gain value. The default gain is 16 and the setting range is 1-16.

**Step 7** Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

**Step 8** Press the **UP** or **DOWN** button to select **SAVE-EXIT** to save the exposure setting.



## 2.2 WHITE BALANCE

White balance is intended to reproduce the actual colors of the observed scene when the illumination and color temperature of the target object are changed. You can set **WB** to **ATW** or **MWB**.

### Procedure

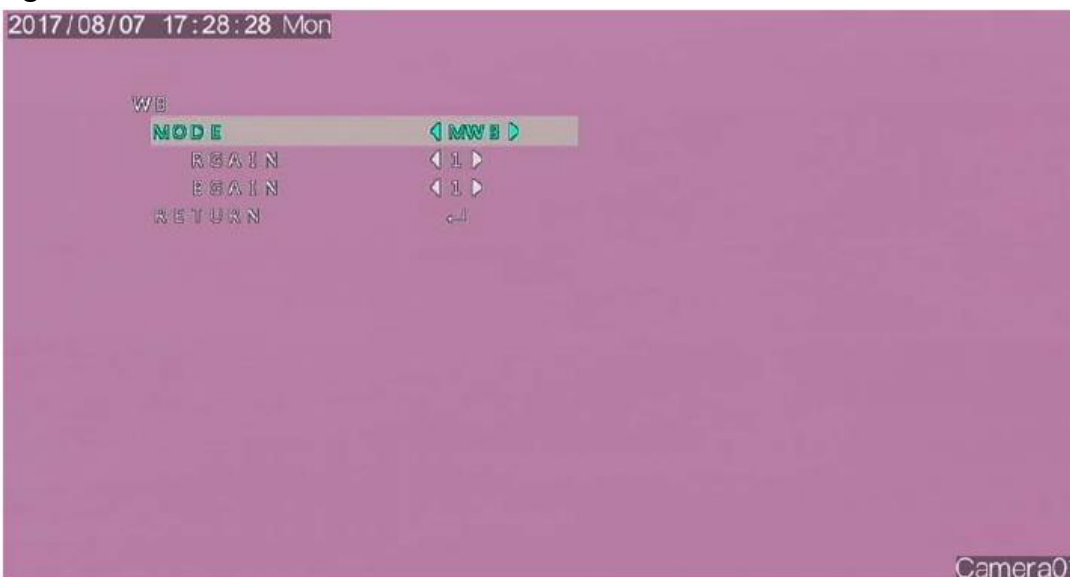
**Step 1** Press the **UP** or **DOWN** button to select **WB**. Press the **SET** button to open the **WB** interface, as shown in Figure 2-3.

**Figure 2-3** WB interface



**Step 2** Press the **LEFT** or **RIGHT** button to set the **MODE**. The options are **ATW** and **MWB**. When **MWB** mode is selected, you can set white balance parameters, as shown in Figure 2-4.

**Figure 2-4** MWB interface



1. Press the **UP** or **DOWN** button to select **RGAIN**, and press the **LEFT** or **RIGHT** button to set **RGAIN**. The default RGAIN is 1 and the setting range is 1-16.
2. Press the **UP** or **DOWN** button to select **BGAIN**, and press the **LEFT** or **RIGHT** button to set **BGAIN**. The default BGAIN is 1 and the setting range is 1-16.

**Step 3** Press the **UP** or **DOWN** button to select **RETURN**, and press the **SET** button to return to the OSD main menu interface.

**Step 4** Press the **UP** or **DOWN** button to select **SAVE-EXIT** to save the WB setting.

## 2.3 DAY/NIGHT

You can set **Day-Night** to EXT, AUTO, **COLOR** or **B/W**.

### Procedure

**Step 1** Press the **UP** or **DOWN** button to select **Day-Night**. Press the **SET** button to open the **Day /Night** interface, as shown in Figure 2-5.

**Figure 2-5** DAY/NIGHT interface



**Step 2** Press the **LEFT** or **RIGHT** button to set the Mode.

**Step 3** Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

**Step 4** Press the **UP** or **DOWN** button to select **SAVE-EXIT** to save the DAY-NIGHT setting.

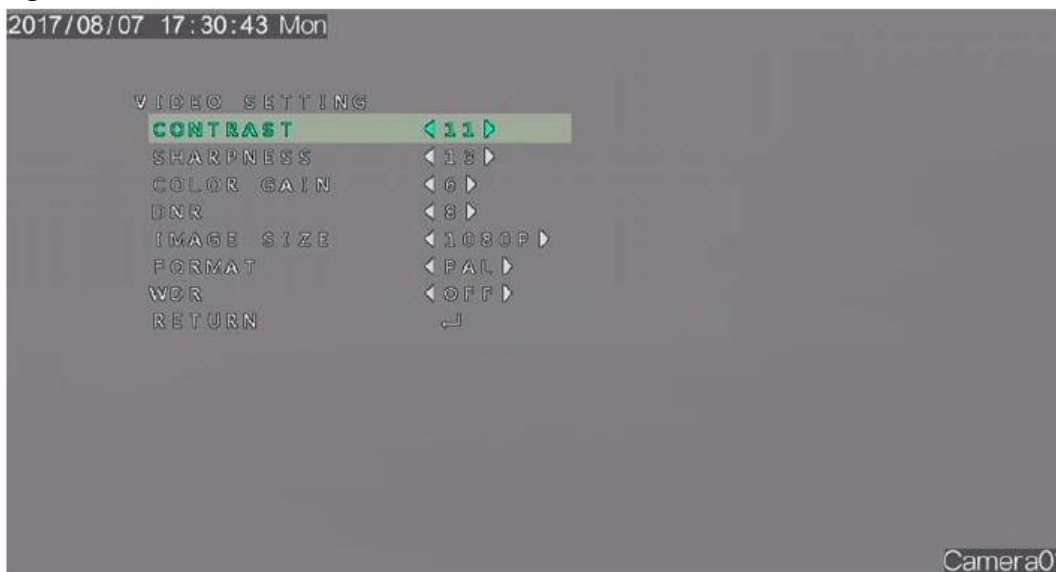
## 2.4 VIDEO SETTING

The **VIDEO SETTING** interface includes **CONTRAST**, **SHARPNESS**, **COLOR GAIN**, **DNR**, **FORMAT** and **WDR**.

### Procedure

**Step 1** Press the **UP** or **DOWN** button to select **VIDEO SETTING**. Press the **SET** button to open the **VIDEO SETTING** interface, as shown in Figure 2-6.

**Figure 2-6** VIDEO SETTING interface



**Step 2** Press the **UP** or **DOWN** button to select **CONTRAST**. Press the **LEFT** or **RIGHT** button to set the **CONTRAST** value. The default contrast is 11 and the setting range is 1-50.

**Step 3** Press the **UP** or **DOWN** button to select **SHARPNESS**. Press the **LEFT** or **RIGHT** button to set the **SHARPNESS** value. The default sharpness is 13 and the setting range is 1-20.

**Step 4** Press the **UP** or **DOWN** button to select **COLOR GAIN**. Press the **LEFT** or **RIGHT** button to set the **COLOR GAIN** value. The default color gain is 6 and the setting range is 1-31.

**Step 5** Press the **UP** or **DOWN** button to select **DNR**. Press the **LEFT** or **RIGHT** button to set the **DNR** value. The default DNR is 8 and the setting range is 1-15.

**Step 6** Press the **UP** or **DOWN** button to select **IMAGE SIZE**. Press the **LEFT** or **RIGHT** button to set the **IMAGE SIZE** value to 1080P or 720P.

**Step 7** Press the **UP** or **DOWN** button to select **FORMAT**. Press the **LEFT** or **RIGHT** button to set the **FORMAT** value. Format includes PAL and NTSC.

**Step 8** Press the **UP** or **DOWN** button to select **WDR**. Press the **LEFT** or **RIGHT** button to enable or disable the WDR. The default WDR is ON.

**Step 9** Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

**Step 10** Press the **UP** or **DOWN** button to select **SAVE-EXIT** to save the VIDEO setting.

## 2.5 LANGUAGE

Press the **UP** or **DOWN** button to select **LANGUAGE**, and press the **LEFT** or **RIGHT** button to set this parameter. There are 5 options including 中文、**ESPAÑOL**、繁体中文、**ITALIAN** and **ENGLISH**.

## 2.6 RESET

Press the **UP** or **DOWN** button to select **RESET**, and press the **SET** button to reset the camera OSD parameter.

## 2.7 SAVE-EXIT

Press the **UP** or **DOWN** button to select **SAVE-EXIT**, and press the **SET** button to save the OSD settings and return to the camera's real-time video interface.

## 2.8 EXIT

Press the **UP** or **DOWN** button to select **EXIT**, and press the **SET** button to discard the OSD settings and return to the camera's real-time video interface.