

4MP HD Analog Camera OSD Operation Manual

Operation Guide

If you have any questions, please call W Box Tech Support 1-833-574-9124 for assistance.

0E-HD4MP28DM

0E-HDD4MP28

0E-HD4MPMODM

0E-HD4MPMOEY








About This Document

Purpose

This document describes how to use the web management system for DVR and the cameras managed by DVR.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
 NOTICE	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.
 NOTE	Calls attention to important information, best practices and tips. NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

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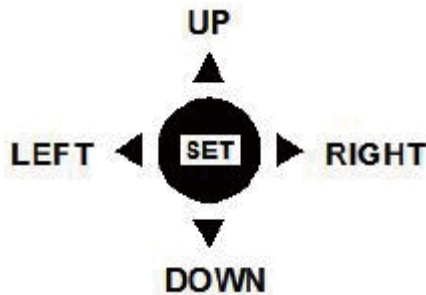
1 OSD Main Menu

1.1 Procedure

1.1.1 Camera Control Using Five Buttons

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

Figure 1-1 Five-button layout



The buttons have the following functions:

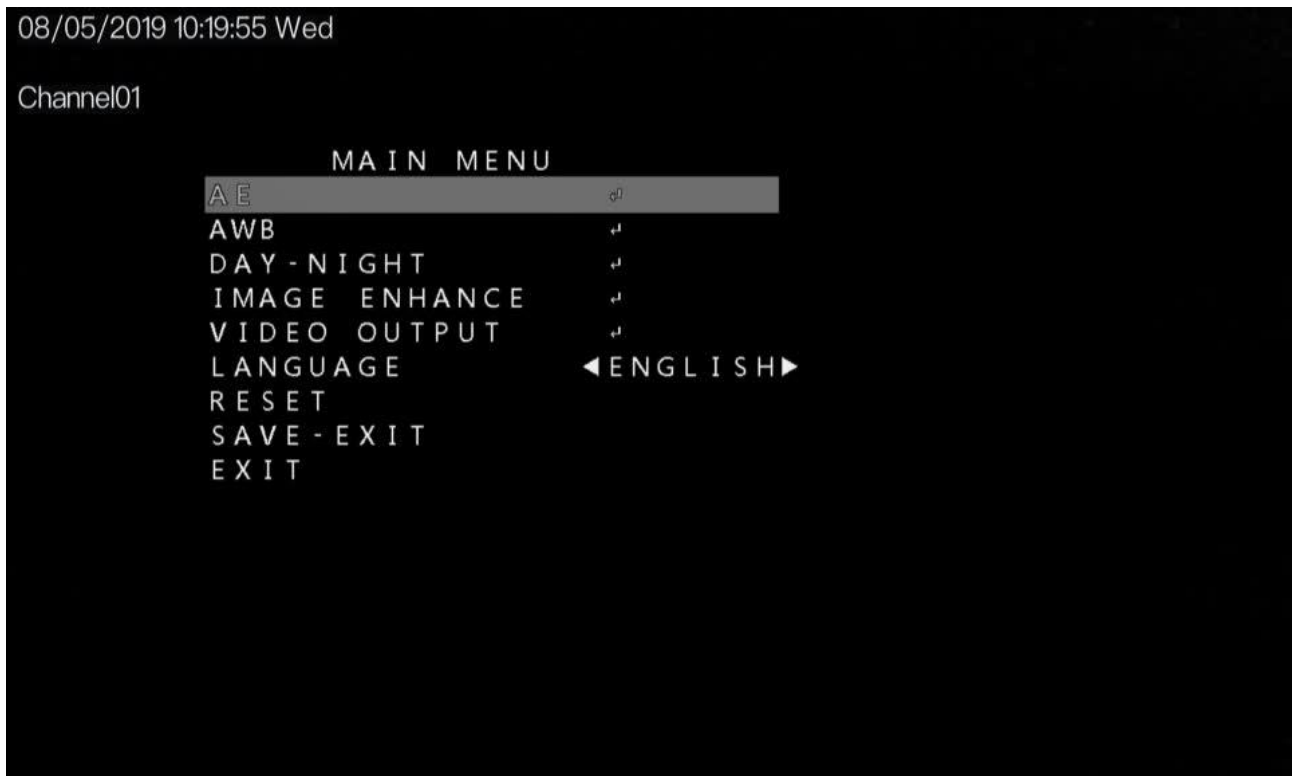
- **SET:** Press this button to open the OSD main menu or end setup.
- **UP/DOWN:** Press the two buttons to select the upper or lower menu.
- **LEFT/RIGHT:** Press the two buttons to select different modes.

----End

1.2 OSD Main Menu Interface

The OSD main menu interface includes **AE**, **AWB**, **DAY-NIGHT**, **VIDEO OUTPUT**, **LANGUAGE**, **RESET**, **SAVE - EXIT**, and **EXIT**, as shown in Figure 1-2.

Figure 1-2 OSD main menu interface



----End

2 OSD Setting

2.1 AE

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

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 6 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 a exposure mode.

The exposure mode includes **GLOBE**, and **BLC**.

- **BLC**: Press the **LEFT** or **RIGHT** button to select **BLC**, press the **LEFT** or **RIGHT** button to adjust **BLC** value. The default **BLC** is 5 and the setting range is 1-9.
- **GLOBE**: Press the **LEFT** or **RIGHT** button to select **BLC**.

Step 5 Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

----End

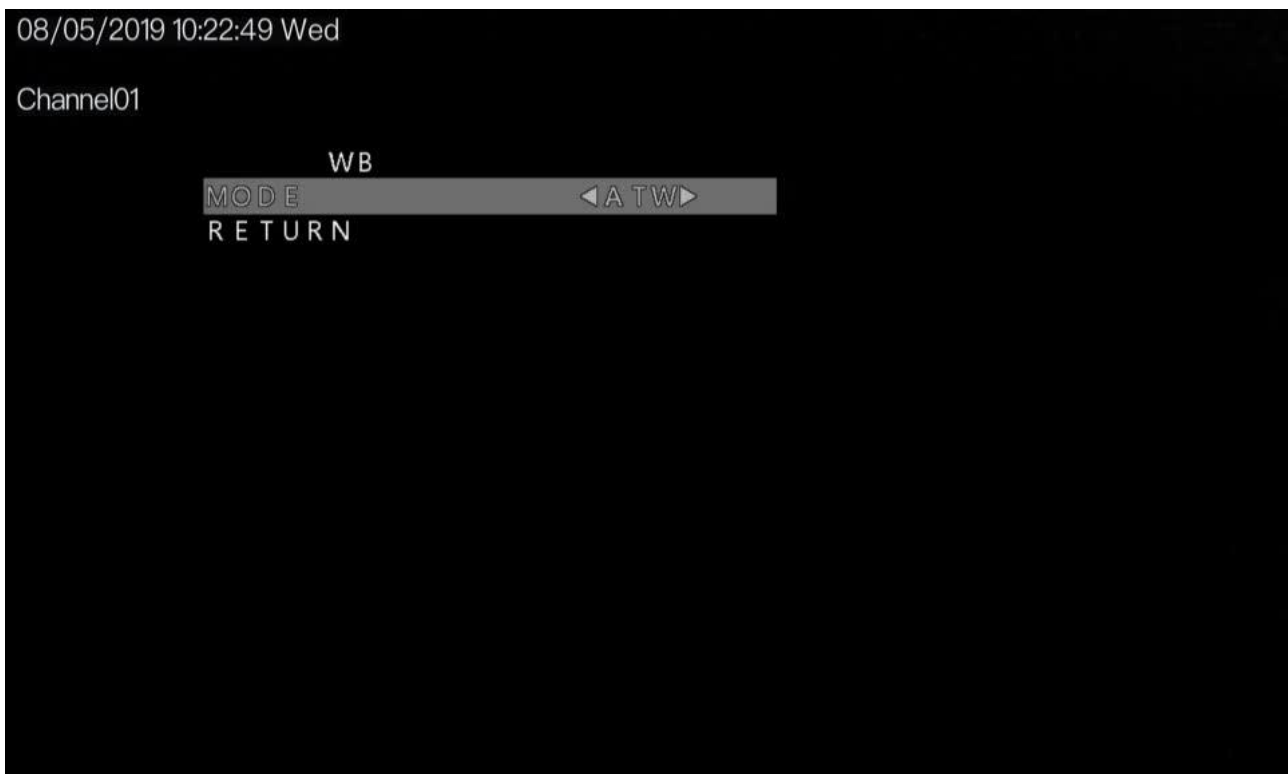
2.2 AWB

White balance is intended to reproduce the actual colors of the observed scene when the illuminance 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 **AWB**. Press the **SET** button to open the **WB** interface, as shown in Figure 2-2.

Figure 2-2 AWB interface



Step 2 Press the **LEFT** or **RIGHT** button to set the **MODE**. The options are **ATW** and **MWB**. The default mode is **GRAY WORLD**

When **MWB** mode is selected, you can set white balance parameters, as shown in Figure 2-3.

Figure 2-3 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 40 and the setting range is 1-127.
 2. Press the **UP** or **DOWN** button to select **BGAIN**, and press the **LEFT** or **RIGHT** button to set **BGAIN**. The default **BGAIN** is 30 and the setting range is 1-127.
- Step 3 Press the **UP** or **DOWN** button to select **RETURN**, and press the **SET** button to return to the OSD main menu interface.

----End

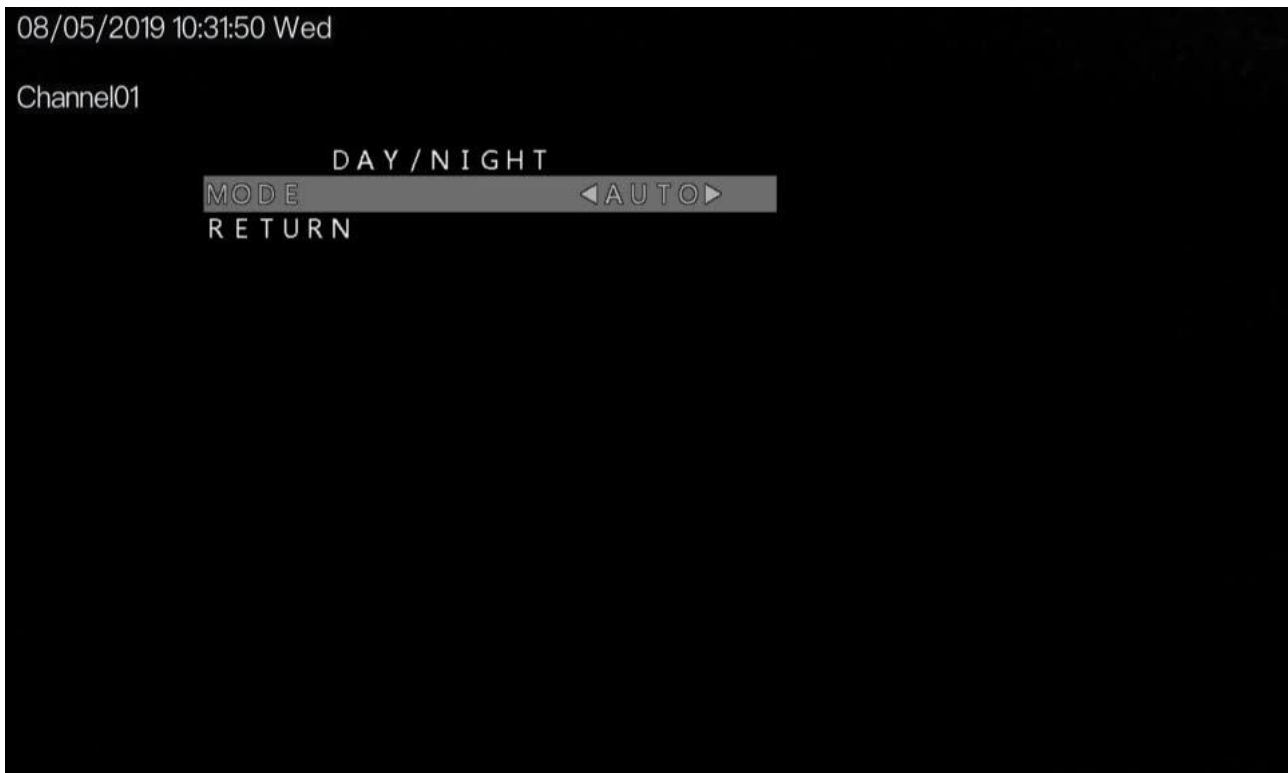
2.3 DAY-NIGHT

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

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 2-4.

Figure 2-4 DAY/NIGHT interface



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

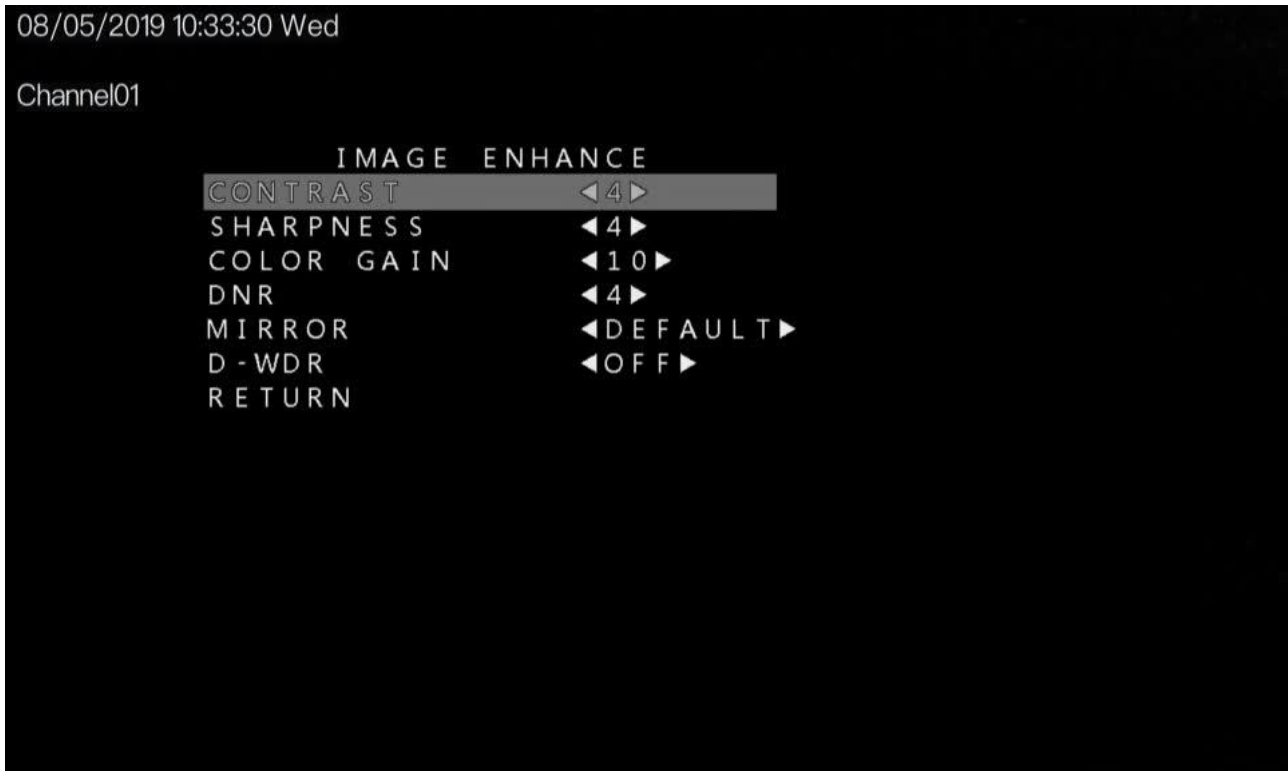
Step 3 Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

---End

2.4 IMAGE ENHANCE

The **Image Enhance** interface includes **CONTRAST**, **SHARPNESS**, **COLOR GAIN**, **DNR**, **MIRROR** and **D-WDR**, as shown in Figure 2-5.

Figure 2-5 Image enhance



Procedure

- Step 2 Press the **UP** or **DOWN** button to select **IMAGE ENHANCE**. Press the **SET** button to open the **IMAGE ENHANCE** interface.
- Step 3 Press the **UP** or **DOWN** button to select **CONTRAST**. Press the **LEFT** or **RIGHT** button to set the **CONTRAST** value. The default contrast is 4 and the setting range is 1-16.
- Step 4 Press the **UP** or **DOWN** button to select **SHARPNESS**. Press the **LEFT** or **RIGHT** button to set the **SHARPNESS** value. The default sharpness is 6 and the setting range is 1-16.
- Step 5 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 10 and the setting range is 1-16.
- Step 6 Press the **UP** or **DOWN** button to select **DNR**. Press the **LEFT** or **RIGHT** button to set the **DNR** value. The default DNR is 4 and the setting range is 1-16.
- Step 7 Press the **UP** or **DOWN** button to select **MIRROR**. Press the **LEFT** or **RIGHT** button to set the **MIRROR** value. The MIRROR mode includes DEFAULT, H, V and HV, the default is DEFAULT.
- Step 8 Press the **UP** or **DOWN** button to select **D-WDR**. Press the **LEFT** or **RIGHT** button to choose OFF or ON.
- Step 9 Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

2.5 VIDEO OUTPUT

The **Video Output** interface includes **HD** and **VIDEO STANDRAD**.

Procedure

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

Figure 2-6 Video Setting interface



- Step 2** Press the **UP** or **DOWN** button to select **HD**, and press the **LEFT** or **RIGHT** button the interface will show more item **REBOOT & APPLY**. The options are **AHD**, **CVBS**, **TVI** and **CVI**. The default value is **AHD**.
- Step 3** Press the **UP** or **DOWN** button to select **VIDEO STANDARD** and press the **LEFT** or **RIGHT** button to choose. When the HD mode is CVBS, the video standard modes are PAL and NTSC. Other HD modes, video standard are **4MP 25**, **4MP 30**, **4MP 15**, **1080P25** and **1080O30**. The default value is **4MP 25**. Switch the standard the screen will show **APPLY & REBOOT**. Press the **SET** to apply standard.
- Step 4** Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

2.6 LANGUAGE

Press the **UP** or **DOWN** button to select **LANGUAGE**, and press the **LEFT** or **RIGHT** button to set this parameter. Supports 3 languages, English, Chinese, Traditional Chinese.

2.7 RESET

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

2.8 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.

2.9 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.