



Camera OSD Operation Guide

For R2-HD5MPEYE R2-HD5MPMODM R2-HD5MPMOBT R2-HD5MPBLT R2-HD5MPMOEY

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About This Document

Purpose

This document describes how to use the OSD of analog 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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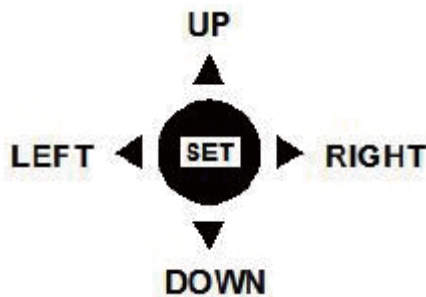
1 OSD Main Menu

1.1 Procedure

1.1.1 Camera Control Using Joystick

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

Figure 1-1 Joystick layout



The buttons have the following functions:

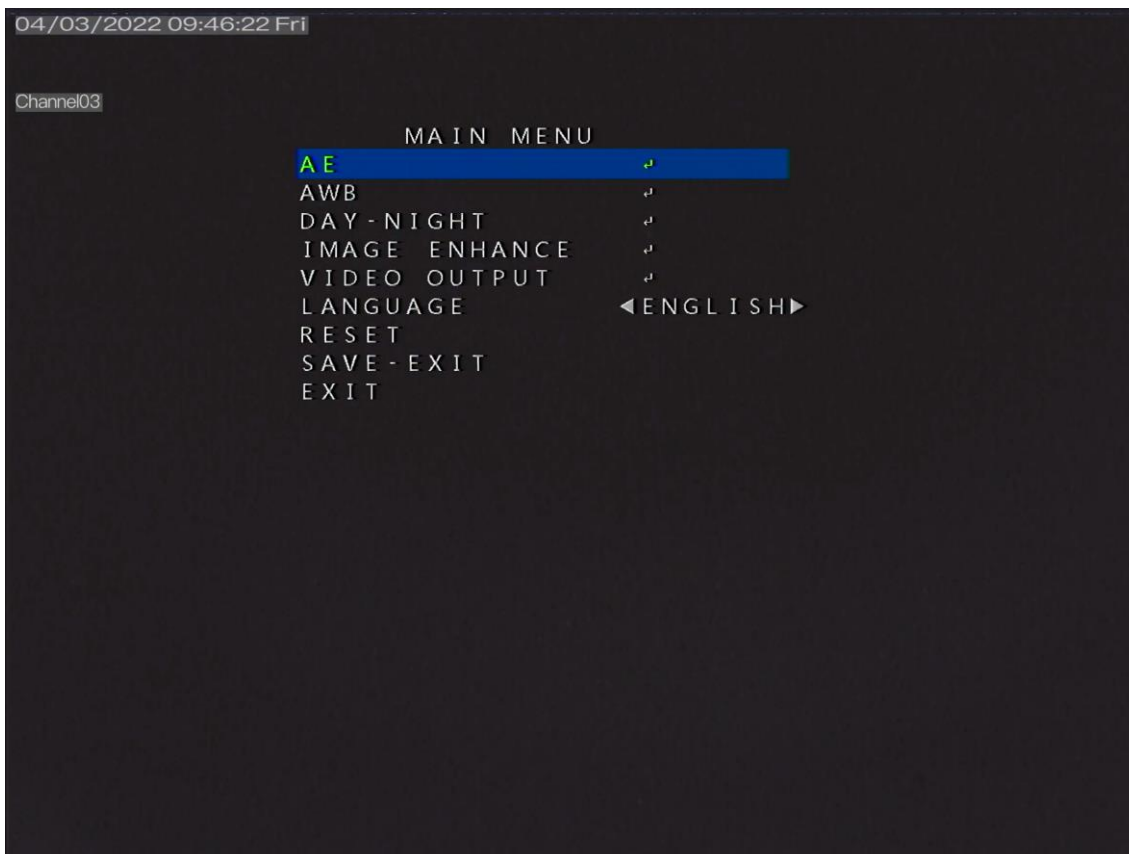
- **SET:** Press this button to open the OSD main menu or end setup.
- **UP/DOWN:** Press the two buttons to select the upper or lower menu.
- **LEFT/RIGHT:** Press the two buttons to select different modes.

----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

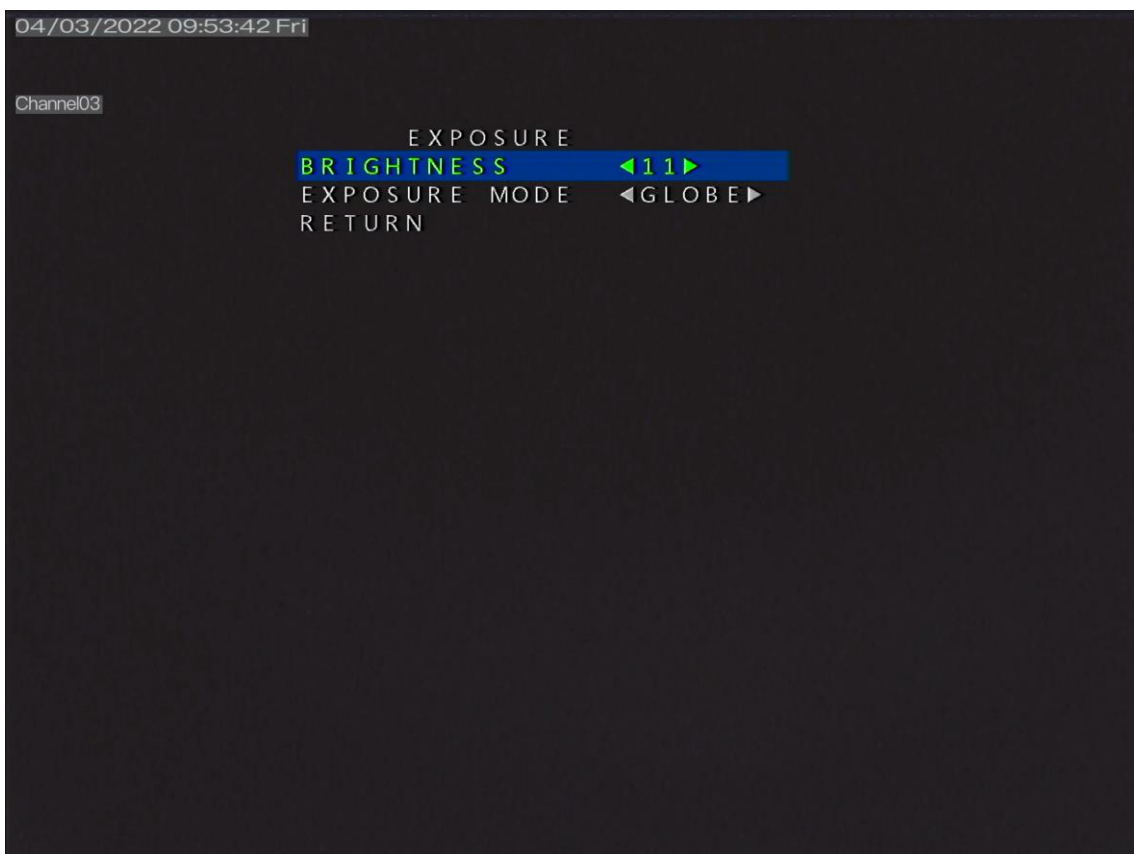
2.1 AE

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

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 11 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**, **FLC** 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 2, and the setting range is 1-9.
- **BLC**: Press the **LEFT** or **RIGHT** button to select **FLC**, press the **LEFT** or **RIGHT** button to adjust **BLC** value. The default **BLC** is 1, and the setting range is 1-9.
- **GLOBE**: Press the **LEFT** or **RIGHT** button to select **GLOBE**.

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

----End

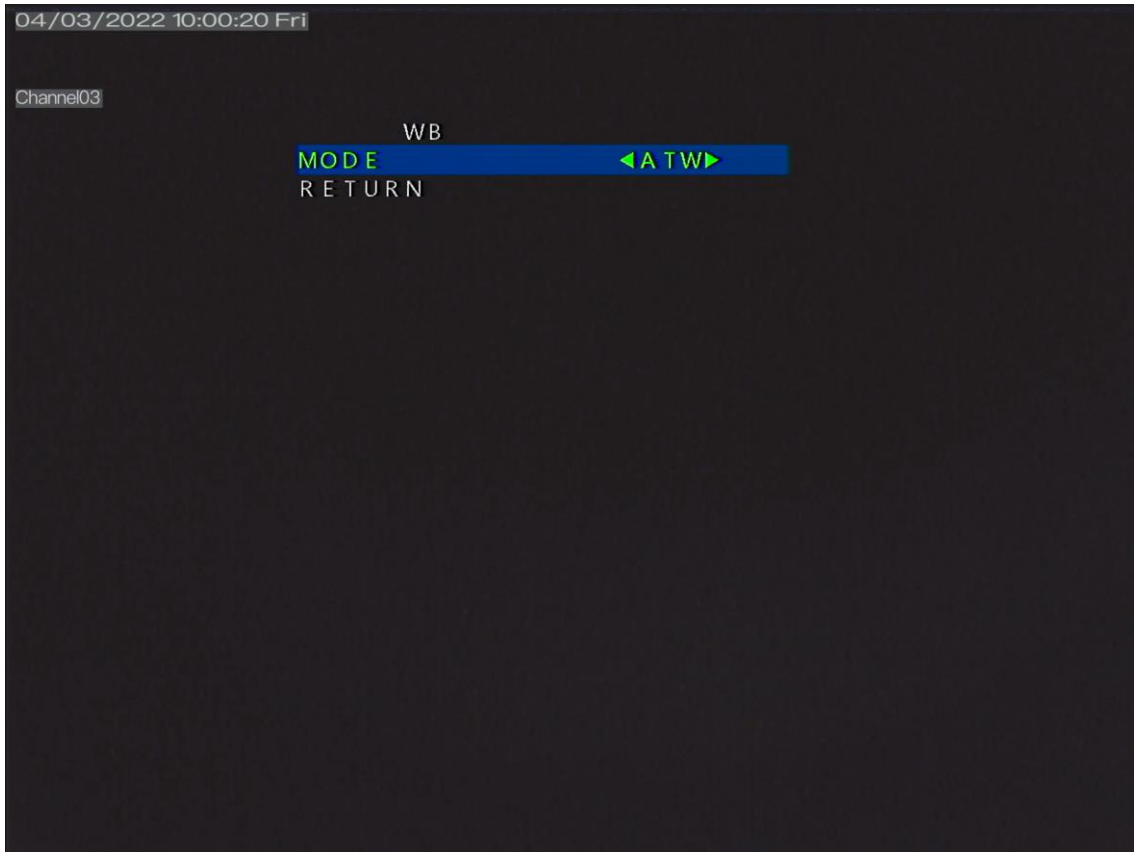
2.2 AWB

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 **AWB** to **MWB** or **ATW**.

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.

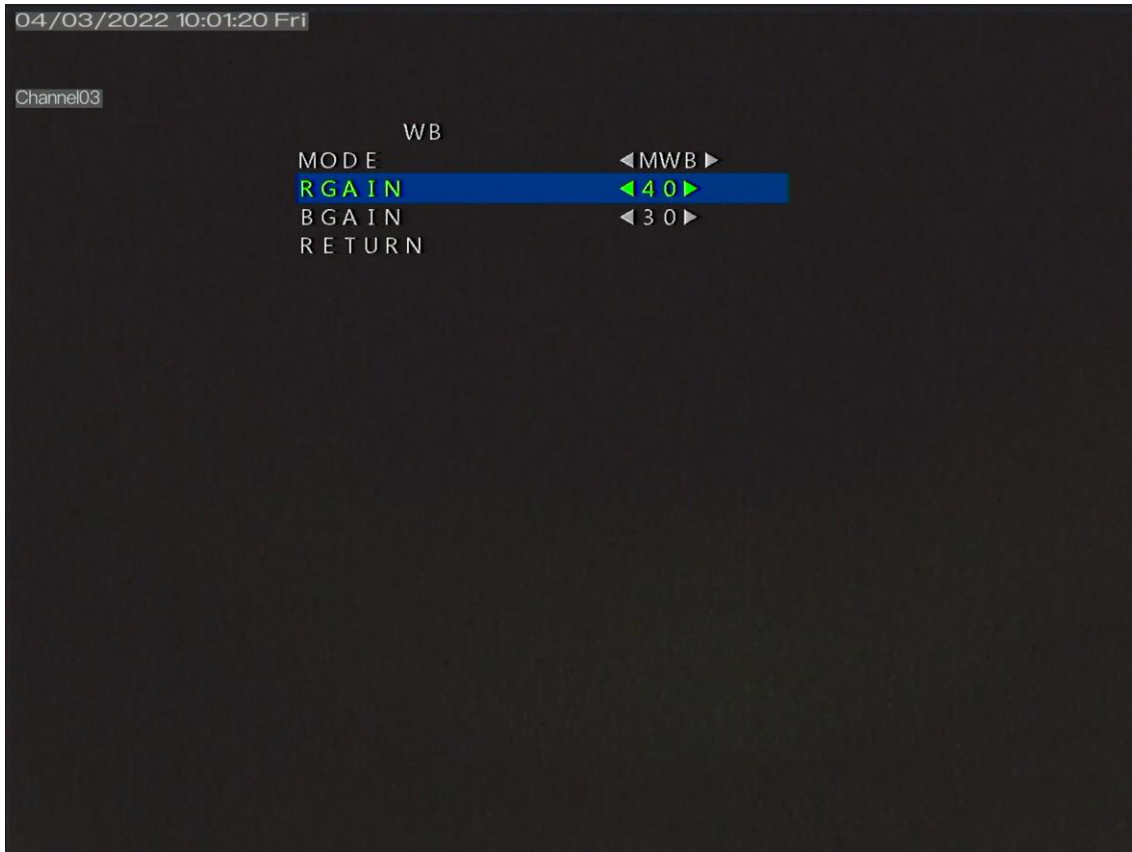
Figure 2-2 AWB interface



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

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 18 and the setting range is 0-32.
2. Press the **UP** or **DOWN** button to select **BGAIN**, and press the **LEFT** or **RIGHT** button to set **BGAIN**. The default BGAIN is 18 and the setting range is 0-32

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

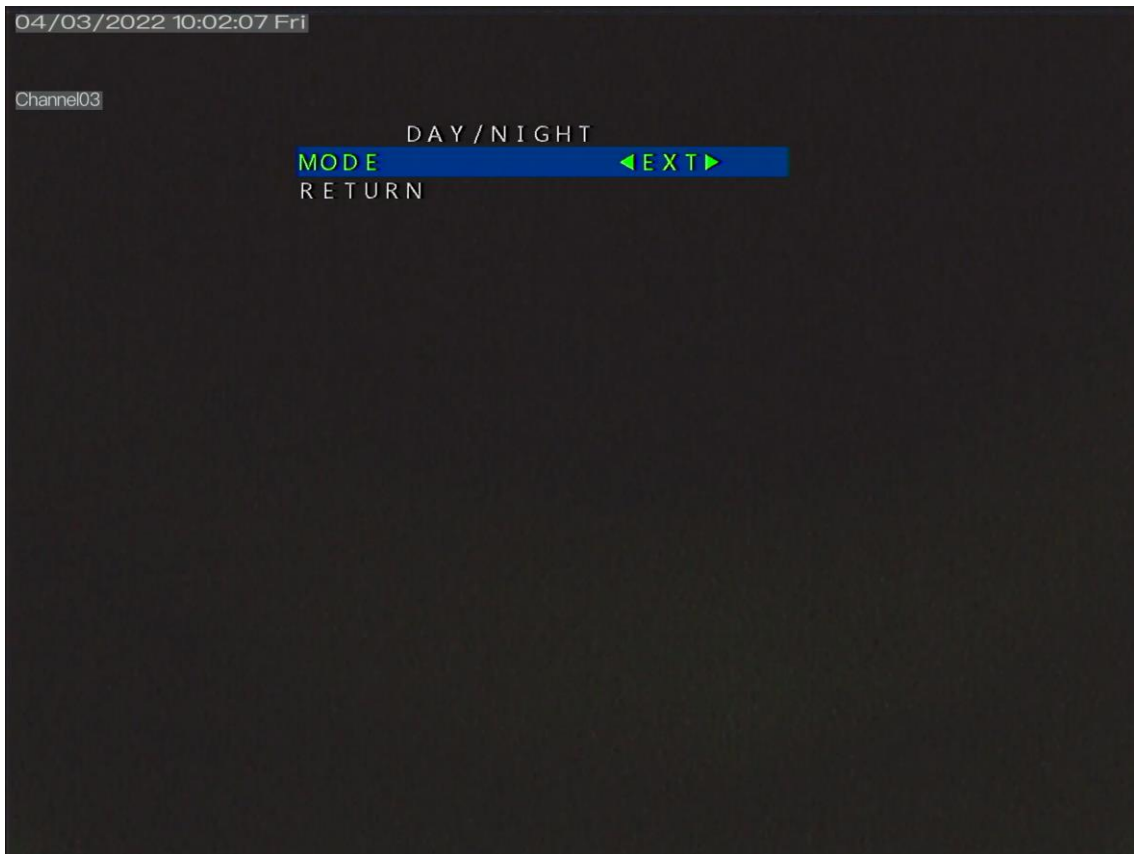
2.3 DAY - NIGHT

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

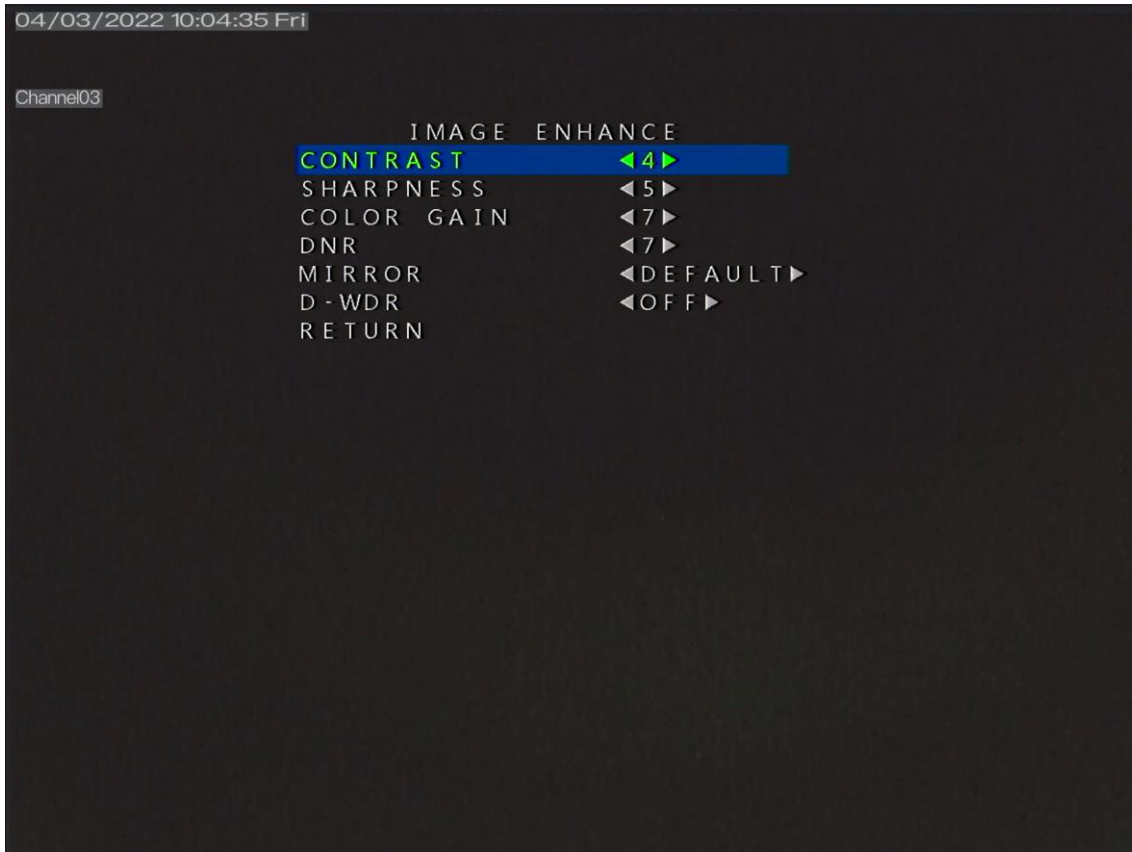
Step 3 Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

---End

2.4 IMAGE ENHANCE

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

Figure 2-5 Image enhance



Procedure

- Step 1 Press the **UP** or **DOWN** button to select **IMAGE ENHANCE**. Press the **SET** button to open the **IMAGE ENHANCE** interface.
- Step 2 Press the **UP** or **DOWN** button to select **CONTRAST**. Press the **LEFT** or **RIGHT** button set the **CONTRAST** value. The default contrast is 4 and the setting range is 1-16.
- Step 3 Press the **UP** or **DOWN** button to select **SHARPNESS**. Press the **LEFT** or **RIGHT** button set the **SHARPNESS** value. The default sharpness is 5 and the setting range is 1-16.
- Step 4 Press the **UP** or **DOWN** button to select **COLOR GAIN**. Press the **LEFT** or **RIGHT** button to choose manual or auto , manual mode need press **DOWN** button to go next one, press the **LEFT** or **RIGHT** button set the **COLOR GAIN** value. The default color gain is 7 and the setting range is 0-30.
- Step 5 Press the **UP** or **DOWN** button to select **DNR**. Press the **LEFT** or **RIGHT** button to choose manual or auto , manual mode need press **DOWN** button to go next one, press the **LEFT** or **RIGHT** button set the **DNR** value. The default DNR is 7 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 choose **DEFAULT**, **H**, **V**, or **HV**.
- Step 7 Press the **UP** or **DOWN** button to select **D-WDR**. Press the **LEFT** or **RIGHT** button to choose **OFF**, or **ON**.
- Step 8 Press the **UP** or **DOWN** button to select **RETURN** and press the **SET** return to the OSD main menu interface.

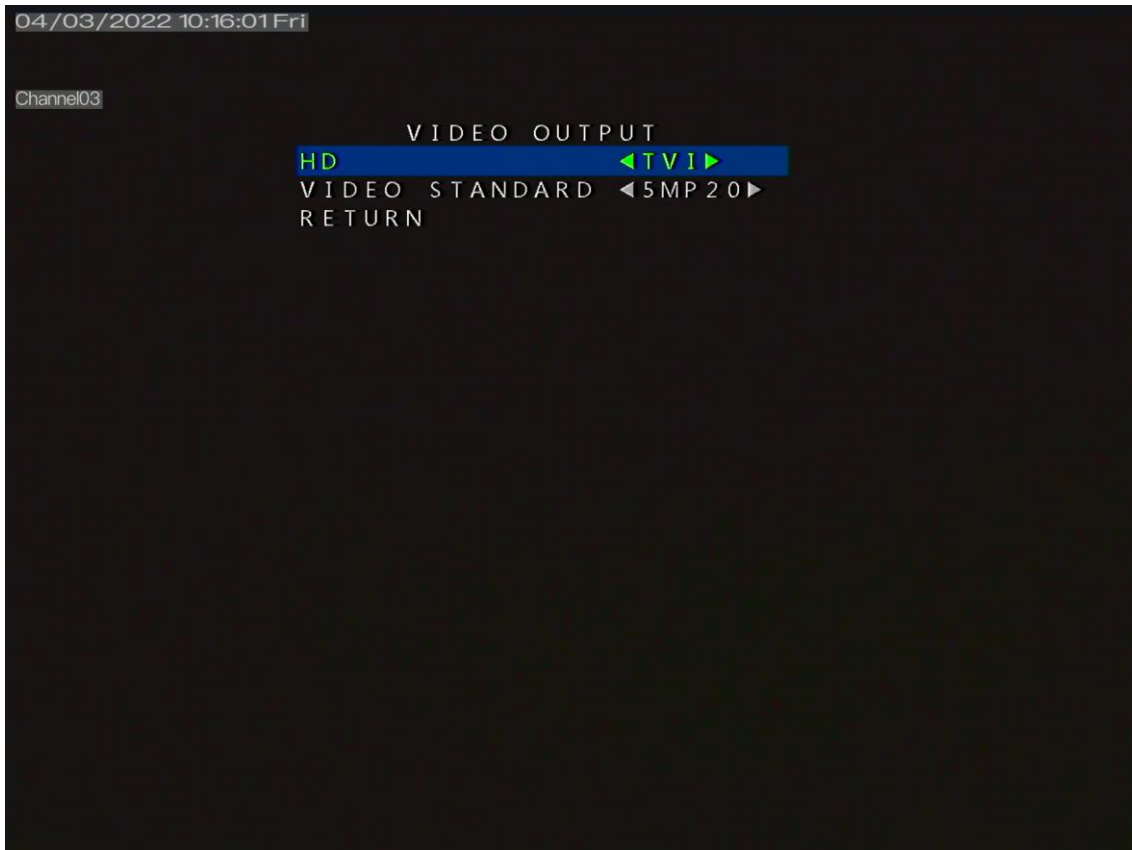
2.5 VIDEO OUTPUT

The **Video output** interface includes **HD** and **VIDEO STANDARD**.

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 output interface



- Step 2 Press the **UP** or **DOWN** button to select **HD**, and press the **LEFT** or **RIGHT** button to select **AHD**, **TVI**, **CVBS** or **CVI**. The default value is **AHD**.
- Step 3 When the HD mode is CVBS, the video standard modes are PAL and NTSC. Other HD modes, the AHD video standard are **1080 P 25**, **1080 P 30**, **4MP 25**, **4MP 30**, **4MP 15**, **5MP 20**, and **5MP 12.5**. The CVI video standard are **4MP 25**, **5MP 20**, **4MP 30**, **1080 P 25**, **1080 P 30**. The default value is **4MP 25**. The TVI video standard are **5MP 20**, **5MP 12.5**, **4MP 25**, **4MP 30**, **4MP 15**, **1080 P 25**, **1080 P 30**. The default value is **5MP 20**. Switch the standard the screen will show **APPLY & REBOOT**. Press the **SET** to apply standard. Switch the standard the screen will restart.
- 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 6 languages, English, Chinese, Traditional Chinese, Russian, Italian, Portuguese.

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.