yw3609 HDMI Industrial Camera Manual

◆ Function Introduction

1>>Graphic Menu Operation

2>>Support Both USB and HDMI Output Simultaneously, Mouse Control Camera, Connect with Wifi Mouse via USB Interface

3>>Full HD, 1080P/30fps High Definition Format(1920x1080); Images can be Dynamic Contrast

4>>Manual Expose Time can be Setting

◆Primary Main Menu
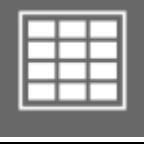
1>>Connect with WIFI mouse via USB port ,then connect the camera with LCD display via HDMI cable and plug in 12V power supply

2>>Move the mouse cursor pointer to the below edge of the LCD display (middle), the main menu icon appear. (the instructions of each icon functions as below).
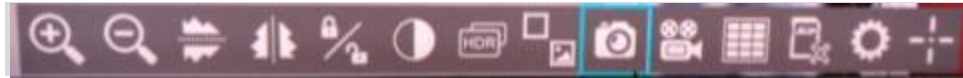
Icon definition:

		Zoom In
		Zoom Out
		Mirror Vertically
		Mirror Image
		Freeze

	Gray
	High-Dynamic Range
	Contrast
	Capture Photo
	Video
	Preview
	Format SD Card
	Setting
	Cross-line

●**Preview menu**

>>Click Settings icon , there is a sub-menu pop-up at the bottom of the LCD.

		Back to the Home page
		Previous page
		Next page
		Trash

●**Setting menu**

>>Click Settings icon , there is a pop-up window on the upper right of the LCD display, which can be setting up the image parameter (the default is English). After setting, the right mouse button is the confirmation key to save the adjusted parameter.

Click the icon to back to the main interface

A:
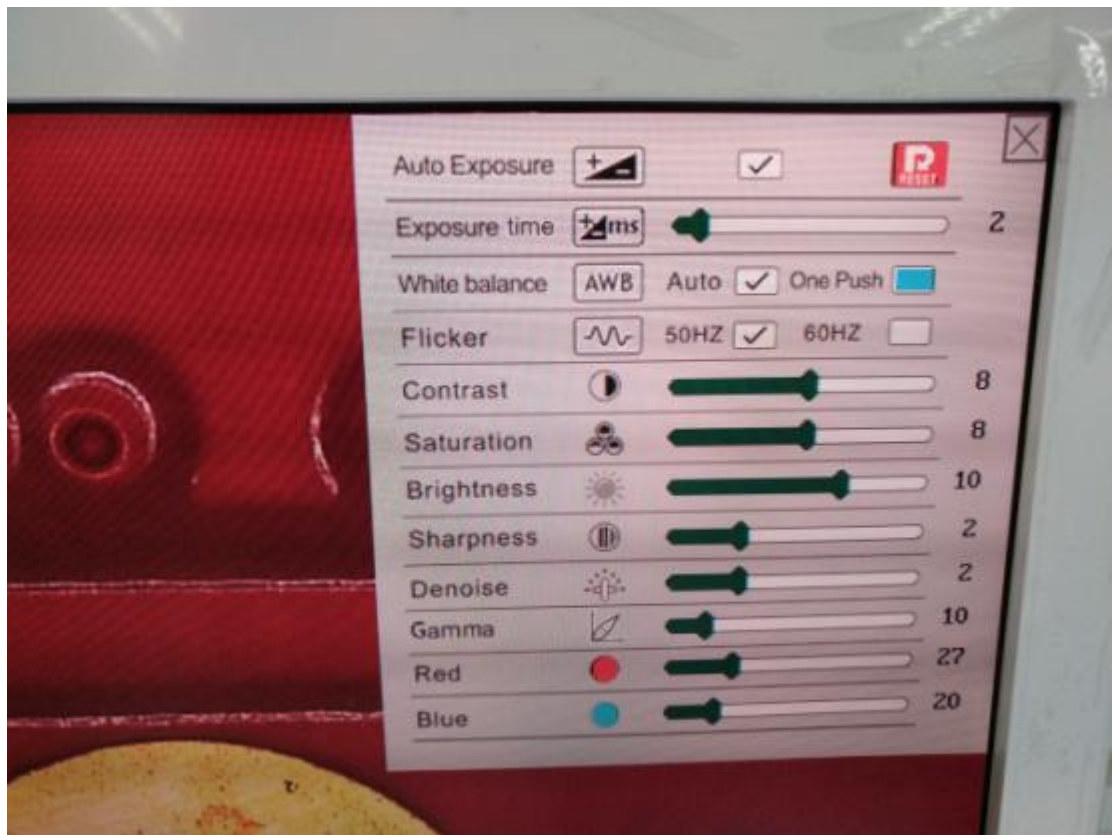
This menu is adjust the control functions of automatic exposure , when you cancel tick the box ☑ , the image go into the manual exposure mode, 🔲RESET is factory reset button.

B: | Exposure time | ±Time | ●————————○ 1 |

This menu provides the manual exposure time setting, the time setting range is select from 0-1000 ms.

C: | White balance | AWB | Auto ☐ One Push 🟦 |

This menu provides the setting of automatic and manual white balance, click to One Push 🟦 can adjust the white balance once, click to Auto ☐ and tick the box, the image is default to the automatic white balance mode.

D: | Flicker | ∿ | 50HZ ☑ 60HZ ☐ |

This menu provides power frequency selection mode.The default frequency is 50HZ.

E: | Contrast | ◑ | ━━━━●————— 8 |

This menu provides image contrast adjustment function

F: | Saturation | ⚇ | ━━━●———————— 8 |

This menu provides image saturation adjustment function.

G: | Brightness | ☀ | ━━━━━●——— 10 |

This menu provides the image brightness adjustment function.

H: | Sharpness | ◫ | ━●———————— 2 |

This menu provides the image sharpness adjustment function.

J: | Denoise | ✦ | ━●———————— 2 |

This menu provides image noise adjustment function.

K: | Gamma | ✎ | ━━●————— 10 |
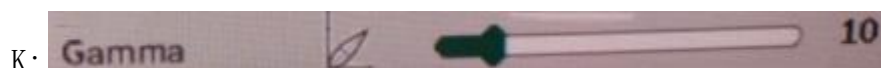
This menu provides Gamma adjustment.

L: | Red | 🔴 | ━●———————— 24 |
| Blue | 🔵 | ●————————— 21 |

This menu provides image (red and blue) gain control function.

● **Reticle Menu**

Use the mouse pointer to click the reticle icon ▢, there are 4pcs horizontal line and 4pcs vertical line along with a central crosshairs .

Move the mouse cursor to the edge of the main interface on the right side position (middle), there will pop-up the menu to set up the reticle and crosshair. We can set up each line separately (color, size, fine adjustable and hidden). Press and hold the left mouse button to drag a line directly.
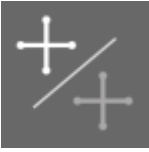
Click the central crosshairs, it can be also set up the small crosshair individually (color, size, fine adjustable and hidden).After saving the setting, move the mouse cursor from the right edge of the main interface, the reticle setting menu is hidden automatically

	#F	Grid lines, can add max 8 set of grid lines and compatible to eight products
	⌊1	Current Line Number
	ON/OFF	Switch

		Line thickness
		Line-color
		Upper Right Micromotion
		Lower Left Micromotion
		Global Shielding
		Set Saving
		Reticle Zoom