



TruVision HD-TVI 1080P Wedge Camera Configuration Manual

Copyright © 2016 United Technologies Corporation. All rights reserved.
Interlogix is part of UTC Climate, Controls & Security, a unit of United Technologies Corporation.

Trademarks and patents The TruVision and Interlogix names and logos are trademarks of United Technologies.

Other trade names used in this document may be trademarks or registered trademarks of the manufacturers or vendors of the respective products.

Contact information For contact information, see www.interlogix.com or www.utcssecurityproducts.eu.

Customer support For contact information, see www.interlogix.com or www.utcssecurityproducts.eu

Content

Introduction 2

HD-TVI 1080P Wedge Cameras 2

Programming 2

Call up the camera OSD menu 2

Menu tree 3

Configuration 3

Format 3

Languages 3

Main Menu 4

AE (Auto Exposure) 4

WB (White Balance) 4

Day/Night 5

Video Setting 6

Reset 6

Save & Exit 6

Introduction

This is the configuration manual for following camera models:

HD-TVI 1080P Wedge Cameras

- TVW-2401 (1080P TVI Wedge Camera, Fixed Lens, IR, PAL)
- TVW-4401 (1080P TVI Wedge Camera, Fixed Lens, IR, NTSC)

Programming

Once the camera has been installed, the camera can be configured using the built-in OSD (On Screen Display) button or the menu of a TVI DVR .

When you configure the camera settings via a DVR, select the PTZ protocol **TruVision Coax** and click the menu button to call up the menu.

Call up the camera OSD menu

To set up the camera:

1. Set up the camera hardware as described in the Installation Guide.
2. In Camera Settings of the DVR, access the PTZ menu and set the protocol to TruVision-Coax for the TruVision HD-TVI camera.
3. In live view of the desired camera, click the **PTZ Control** icon on the live view toolbar to access the PTZ control panel.
4. To call up the camera setup menu:

From the camera, press the **Menu** button.

— or —

From the camera OSD of the DVR, select **Menu**.

— or —

From the DVR, select **Iris+**.

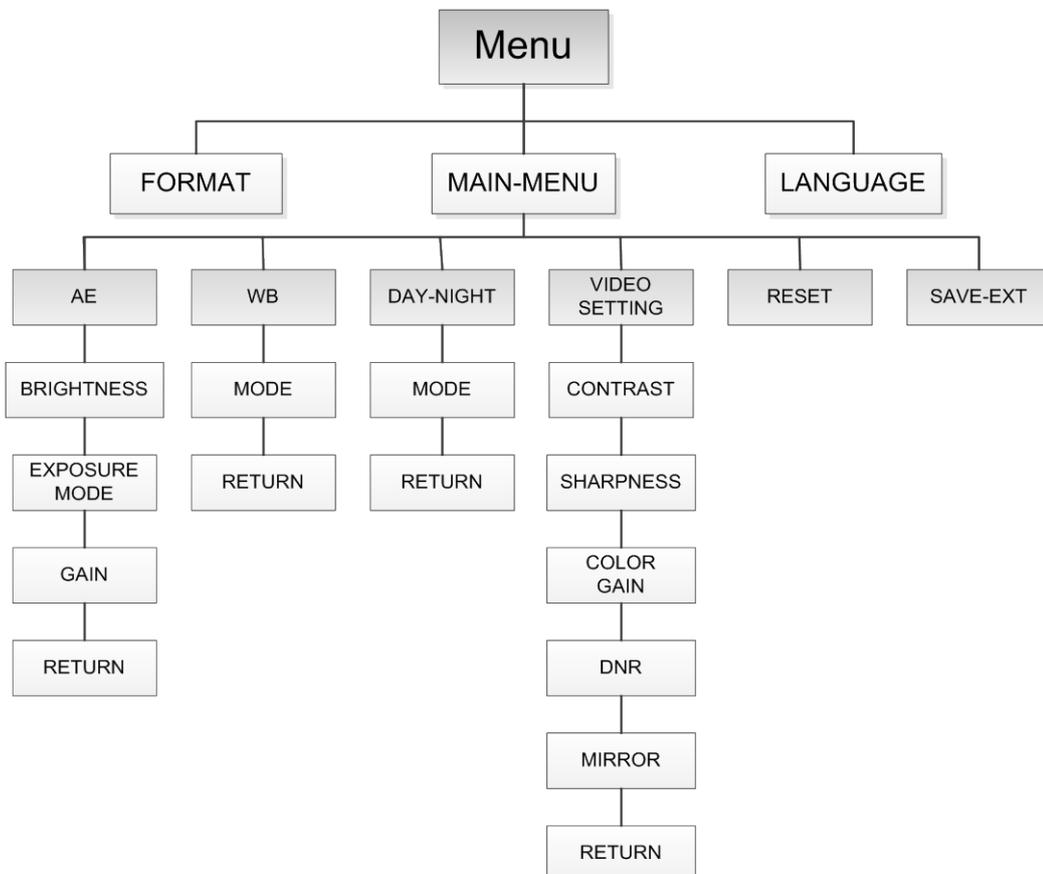
The camera setup menu appears (see “Menu tree” on page 3 for the menu structure).

5. Select the menu options:
 - From the DVR:** To select an OSD item, click the directional buttons up/down. To adjust the value of a selected item, click the directional buttons left/right.
 - From the camera:** To select an OSD item, push the Menu button up/down. To adjust the value of a selected item, push the Menu button left/right.
6. Click **Iris+** to enter the submenu or to confirm the selected item.
7. When the setup is complete, select **Exit** and click **Iris+** to exit the camera OSD.

Note: You cannot exit the camera setup menu using the Menu button on the camera.

Menu tree

The menu tree for the TruVision 1080P TVI wedge camera is shown below.



Configuration

This section describes how to set up the menu settings.

Format

Select PAL or NTSC.

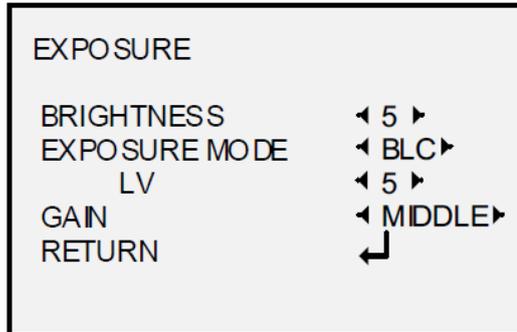
Languages

Select one of the languages available: English or Chinese.

Main Menu

AE (Auto Exposure)

AE describes the brightness-related parameters. You can adjust the image brightness by using **BRIGHTNESS**, **EXPOSURE MODE**, and **GAIN** in different light conditions.



Select the following options under the AE menu:

BRIGHTNESS	Brightness refers to the brightness of the image. You can set the brightness value from 1 to 10 to darken or brighten the image. The higher the value is, the brighter the image.
EXPOSURE MODE	You can set AE mode as GLOBAL , BLC , or WDR . GLOBAL GLOBAL refers to the normal exposure mode that is used to adjust the situations including unusual lighting distribution, variations, non-standard processing, or other conditions of under exposure to get an optimum image. BLC (Backlight Compensation) BLC compensates light to the object in the front to make it clear. However, this causes the over-exposure of the background when light is strong. When BLC is selected as the exposure mode, the BLC level can be adjusted from 0 to 8. WDR (Wide Dynamic Range) The WDR function helps the camera provide clear images even under backlight conditions. WDR balances the brightness level of the whole image and provides clear images with details.
GAIN	It optimizes the clarity of image in poor light scene. The GAIN level can be set to HIGH , MIDDLE , and LOW . Select OFF to disable the GAIN function.

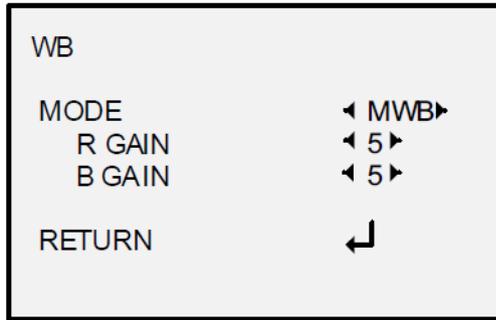
Note: Noise will be amplified if the **GAIN** is on.

WB (White Balance)

WB is the white rendition function of the camera to adjust the color temperature according to the environment. It can remove the unrealistic color casts in the image. You can set the WB mode to **ATW** or **MWB**.

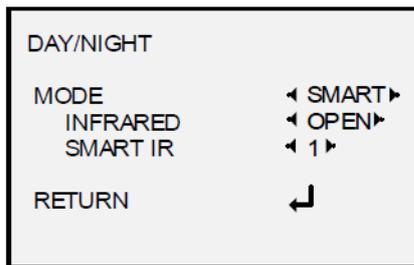
Select the following options under the WB menu:

ATW	In ATW mode, white balance is being adjusted automatically according to the color temperature of the scene illumination.
MWB	You can set the R GAIN/B GAIN value from 0 to 255 to adjust the shades of red/blue color of the image.



Day/Night

You can select **Color**, **B/W**, and **SMART** for DAY and NIGHT switches.

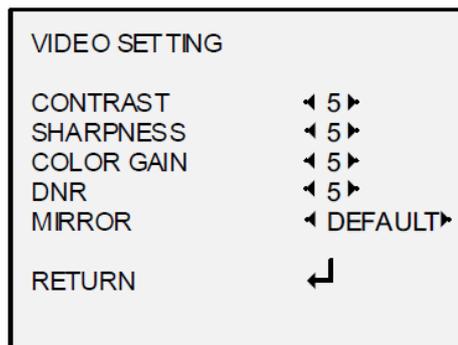


Select the following options under the DAY/NIGHT menu:

COLOR	The image is always in color in day mode.
B/W	The image is always in black and white. The IR LED turns on in low-light conditions.
SMART	<p>Select OPEN/CLOSE to turn on/off INFRARED and set the value of SMART IR in this menu.</p> <p>INFRARED</p> <p>Select it to turn on/off the IR LED to respond to the requirements of different lighting conditions.</p> <p>SMART IR</p> <p>Use the Smart IR function to adjust the light to the desired intensity and to prevent the image from over exposing. The SMART IR value can be adjusted from 0 to 3. The higher the value, the more obvious effects are. The image is not bright and it is disabled when the value is 0.</p> <p>Day to Night</p> <p>Set the sensitivity/threshold of the Day/Night switch. The higher the value, the higher the lux value required to switch from day to night.</p> <p>Night to Day</p> <p>Set the sensitivity/threshold of the Day/Night switch. The higher the value, the higher lux value required to switch from night to day.</p>

Video Setting

Move the cursor to **VIDEO SETTING** and press the confirm button to enter the submenu. **CONTRAST**, **SHARPNESS**, **COLOR GAIN**, **DNR** and **MIRROR** are adjustable.



Select the following options under the video setting menu:

CONTRAST	This feature enhances the difference in color and light between parts of an image. You can set the CONTRAST value from 1 to 10.
SHARPNESS	Sharpness determines the amount of detail an imaging system can reproduce. You can set the SHARPNESS value from 1 to 10.
COLOR GAIN	Adjust this feature to change the saturation of the color. The value ranges from 1 to 10.
DNR (Digital Noise Reduction)	The DNR function can decrease the noise effect, especially when capturing moving images in low light conditions and delivering more accurate and sharp image quality. You can set the DNR value from 1 to 10.
MIRROR	DEFAULT , H , V , and HV are selectable for the mirror function. DEFAULT : The mirror function is disabled. H : The image flips 180 degrees horizontally. V : The image flips 180 degrees vertically. HV : The image flips 180 degrees both horizontally and vertically.

Reset

Reset all settings back to default.

Save & Exit

Press **OK** to save the settings and exit the menu.