

# TruVision High Definition TVI Camera Configuration Manual

TVB-2403/TVB-4403

TVB-2404/TVB-4404

TVD-2403/TVD-4403

TVD-2404/TVD-4404

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# Introduction

This is the configuration manual for following camera models:

- TVB-2403 (1080P TVI Bullet Camera, Fixed Lens, IR, PAL)
- TVB-4403 (1080P TVI Bullet Camera, Fixed Lens, IR, NTSC)
  
- TVB-2404 (1080P TVI Bullet Camera, VF Lens, IR, PAL)
- TVB-4404 (1080P TVI Bullet Camera, VF Lens, IR, NTSC)
  
- TVD-2403 (1080P TVI Dome Camera, Fixed Lens, IR, PAL)
- TVD-4403 (1080P TVI Dome Camera, Fixed Lens, IR, NTSC)
  
- TVD-2404 (1080P TVI Mini Dome Camera, VF Lens, IR, PAL)
- TVD-4404 (1080P TVI Mini Dome Camera, VF Lens, IR, NTSC)

# Programming

Once the camera hardware has been installed, the camera can then be configured using the built-in OSD button or an OSD controller (purchased separately).

You can also configure the camera settings via a TVI DVR, select PTZ protocol as TruVision Coax and click the menu button to call the menu.

## **Note:**

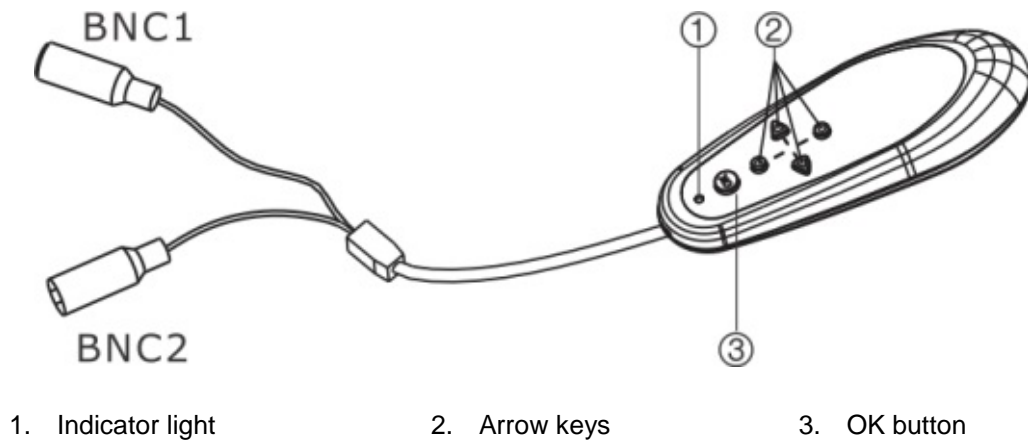
Interlogix offers two different versions of the OSD Controller: the TVS-C100 controller and the TVS-C200 controller. Please choose the corresponding controller by referring to product datasheets.

The cameras listed in “Introduction” section support TruVision Coax OSD control protocol and require the TVS-C200 for OSD control.

The TVS-C200 is used to program the camera’s 960H CVBS output, not for the TVI video output. Programming the camera’s TVI output can be done via a TVI DVR.

The TVS-C200 has four buttons for the camera functions selection and control. Table 1 below lists the OSD control button functions and describes their use.

Figure 1: TVS-C200 coax controller



The Setup menu provides access to the camera configuration options.

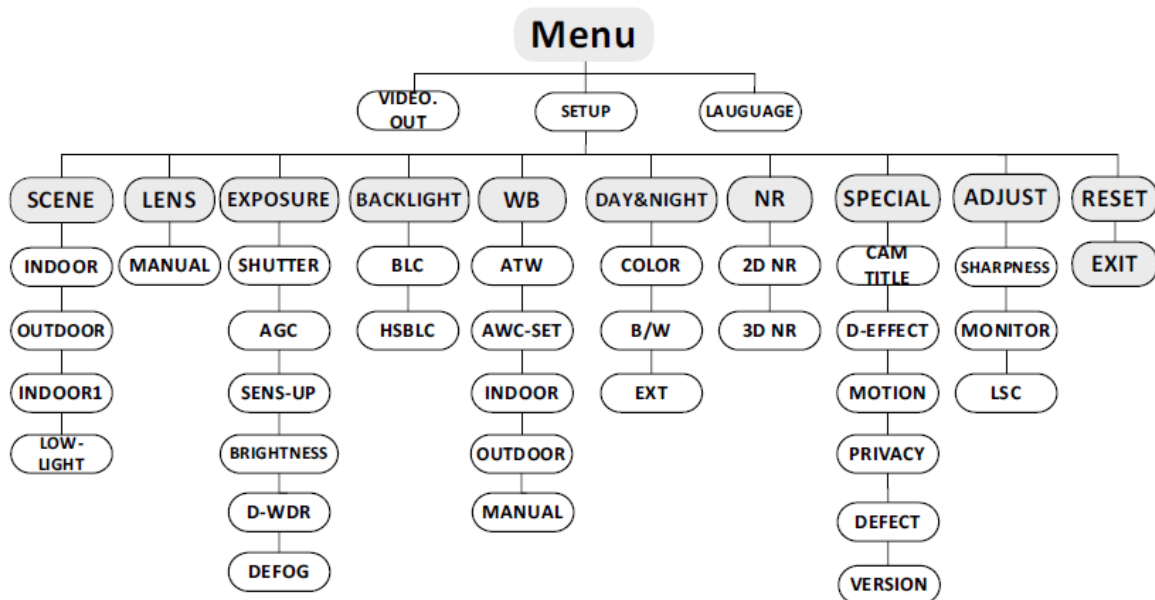
Before using the controller, please check to ensure that the controller has power. Two AAA batteries are required for the controller to work properly.

1. Connect a video monitor to one of the BNC connectors of the controller.
2. Connect the camera's 960H CVBS output to the other BNC connector
3. Press the **OK** button for few seconds to display the Setup menu. See Table 1 for instructions on how to move the cursor.

Table 1 Using the OSD control button

Button direction	Description
Up	Moves the cursor upward to select an item
Left	Moves the cursor left to select or adjust the parameters of the selected item.
Right	Moves the cursor to the right to select or adjust the parameters of the selected item.
Down	Moves the cursor downward to select an item.
OK	Press the red button for few seconds to display the Setup menu. If the selected item has its own menu, press the button to enter a submenu.

# Menu



## Video Standard

Select PAL or NTSC as the video standard.

## Language

Select one of the languages available: English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew or Arabic.

## Setup

### Scene

Select Indoor, Outdoor, Indoor 1 or Low-light as the working environment.

### Lens

The camera is equipped with a fixed lens.

## Exposure

EXPOSURE	
1. SHUTTER	AUTO
2. AGC	OFF
3. SENS-UP	---
4. BRIGHTNESS	--- ----- 40
5. DEFOG	OFF
6. BACKLIGHT	OFF
7. RETURN	RET

**SHUTTER:** AUTO, 1/25, 1/50, FLK, 1/200, 1/400, 1/1k, 1/2k, 1/5k, 1/10k, 1/50k, x2, x4, x6, x8, x10 and x15 are selectable.

**AGC:** Set the AGC value from 0 to 15.

**SENS-UP:** Set the SENS-UP to OFF or AUTO.

**BRIGHTNESS:** Set the brightness value between 1 and 100.

**D-WDR:** Set the D-WDR to ON to improve the image quality or to OFF to disable the function.

**DEFOG:** Set the defog function to ON to enable the function. Position, size, and defog gradation are configurable.

## Backlight Compensation (BLC)

HSBLC	
1. SELECT	AREA 1
2. DISPLAY	ON ↵
3. LEVEL	--- ----- 40
4. MODE	ALL DAY
5. BLACK MASK	ON
6. DEFAULT	↵
7. RETURN	RET

**GAIN:** Set the BLC gain to High, Middle, or Low.

**AREA:** Press the up/down/left/right buttons to define the BLC position and size. Select RET or AGAIN to go back to the BLC menu or redefine the BLC area.

**Default:** Restore the BLC settings to default.

**HSBLC:** Select an HSBLC area. Set the DISPLAY status to ON. Press the up/down/left/right buttons to define the area position and size. Set the HSBLC LEVEL between 0 and 100. Select ALL DAY or Night for the HSBLC mode. Set the BLACK MASK status to ON or OFF.

## White Balance (WB)

Select INDOOR, OUTDOOR, MANUAL, ATW (Auto-tracking White Balance), or AWC→SET.

## Day & Night

Select Color, B/W, or EXT as the DAY and NIGHT switches.

## NR

2D&3D NR		3D NR	
1. 2DNR	OFF	1. SMART NR	ON↵
2. 3DNR	ON ↵	2. LEVEL	----- --8 0
3. RETURN	RET	3. START. AGC	- -----10
		4. END. AGC	- -----10
		5. RETURN	RET

*2D NR*: Set 2D NR status to ON or OFF.

*3D NR*: Set the SMART NR status to ON and adjust the 3D SMART NR sensitivity range between 0 and 100.

Set the LEVEL range between 0 and 100. Set the START.AGC level to the threshold to enable AGC. Set the END.AGC level to the threshold to disable AGC.

## Special

SPECIAL	
1. CAM TITLE	ON ↵
2. D-DFFECT	↵
3. MOTION	OFF
4. PRIVACY	OFF
5. LANGUAGE	ENG ↵
6. DEFECT	↵
7. VERSION	130722
8. RETURN	RET

*Camera Title*: Edit the camera title.

*D-Effect*:

*FREEZE*: Set the freeze function to ON or OFF.

*MIRROR*: Select OFF, MIRROR, V-FLIP, or ROTATE.

*D-ZOOM*: Define the zoom area by configuring the position from PAN & TILT.

*SMART D-ZOOM*: The D-Zoom area, sensitivity and time are configurable.

*NEG.IMAGE*: Set the NEG IMAGE to ON or OFF.



*Motion:*

MOTION	
1. SELECT	AREA 1
2. DISPLAY	ON↵
3. SENSITIVITY	---- ---- 30
4. MOTION VIEW	ON
5. DEFAULT	↵
6. RETURN	RET

Select a MOTION area. Set the DISPLAY status to ON or OFF. Press the up/down/left/right buttons to define the position and size of the area. Set the SENSITIVITY between 0 and 60. Set the MOTION VIEW status to ON or OFF.

*Privacy Masking:*

PRIVACY	
1. SELECT	AREA 1
2. DISPLAY	MOSAIC ↵
3. COLOR	10
4. TRANS.	1
5. DEFAULT	↵
6. RETURN	RET

Select a PRIVACY area. Set the DISPLAY status to INV, MOSAIC, COLOR, or OFF. Press the up/down/left/right buttons to define the position and size of the area.

*Defect:*

Adjust LIVE DPC, STATIC DPC and Black DPC.

*Version:*

You can check the software version of the device.

**Adjust**

ADJUST	
1. SHARPNESS	----- 15
2. MONITOR	LCD↵
3. LSC	OFF
4. VIDEO. OUT	PAL
5. RETURN	RET

*Sharpness:* Adjust the sharpness between 0 and 15.

*Monitor:* Select CRT or LCD.

*LSC:* Set the LSC status to ON or OFF.

## **Reset**

Reset all the settings to the default.

**EXIT:** Press **OK** to exit the menu.