TruVision HD-TVI PTZ Dome Camera Configuration Manual (TVP-6101/ TVP-6102/ TVP-6103)

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Manufacturer

Interlogix
2955 Red Hill Avenue, Costa Mesa, CA 92626-5923, USA

Authorized EU manufacturing representative:
UTC Building & Industrial Systems B.V.
Kelvinstraat 7, 6003 DH Weert, The Netherlands

Certification

Contact information and manuals/ tools/ firmware

For contact information and to download the latest manuals, tools, and firmware, go to the web site of your region.

Americas: www.interlogix.com

EMEA: www.firesecurityproducts.com

Manuals are available in several languages.

Australia/New Zealand: www.utcfs.com.au

Content

Introduction

This is the configuration manual for following camera models:

HD-TVI 1080P PTZ Dome Cameras

TVP-6101 (32X, Pendant /Wall mount

TVP-6102 (32X, Surface/Flush mount)

HD-TVI 1080P IR PTZ Dome Cameras

- TVP-6103 (32X, Pendant/Wall mount, IR)

The installation guide and configuration manual are available on our web site.

Contact information and manuals /tools /firmware

For contact information and to download the latest manuals, tools, and firmware, go to the web site of your region.

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Programming

Once the camera hardware has been installed, you can configure the camera using a HD-TVI DVR menu.

You can also 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 manual.
2. Under **Camera Settings** of the DVR, access the PTZ menu and set the protocol for the TruVision HD-TVI camera to **TruVision-Coax**.

   Note: The TruVision-Coax protocol will always be enabled.
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 (if present).

   — or —

   From the local live view of the DVR, select **Menu** from the PTZ control panel or call **Preset 95**.

   — or —

   From the remote live view of the DVR, call **Preset 95**.

   The camera setup menu appears (see “Change the video format (NTSC/PAL)” on page 4 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 (if it has a Menu button): 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.

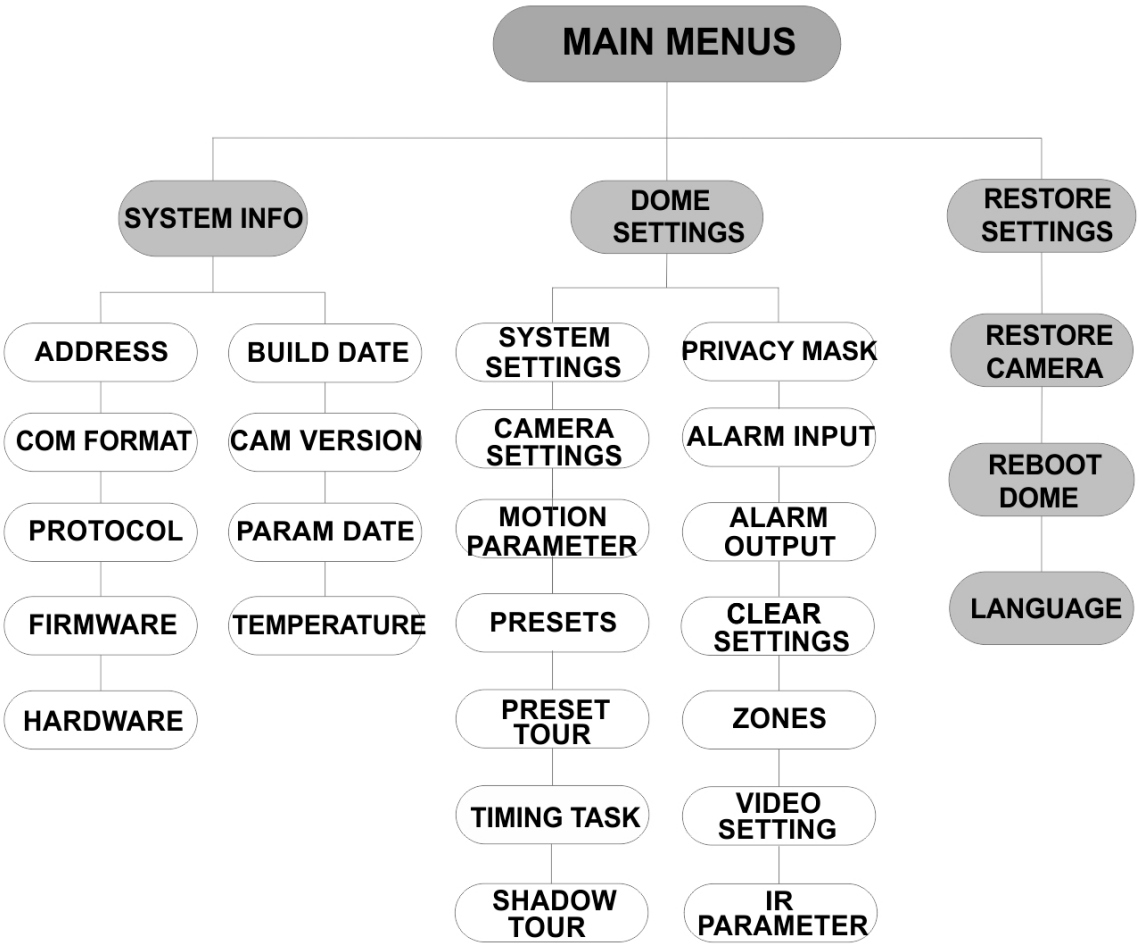
   Note: You cannot exit the camera setup menu using the Menu button on the camera.

Change the video format (NTSC/PAL)

In the camera OSD, go to the **Main Menus** > **Dome Settings** > **Video Setting** menu to change the video output standard (NTSC/PAL).

Menu tree

The menu tree of the TruVision HD-TVI 1080P PTZ dome cameras is shown below.



Configuration

This section describes how to set up the menu settings.

System Info

Display the current system information of the PTZ dome, including model, address, protocol, etc.

Note:

- Information on this menu cannot be edited.
- The temperature refers to the internal temperature of the PTZ dome.

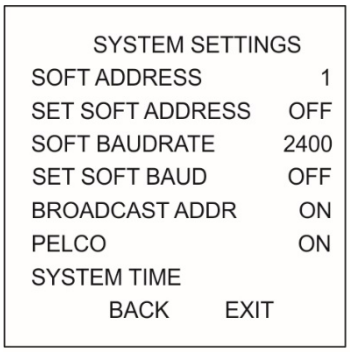
Dome Settings

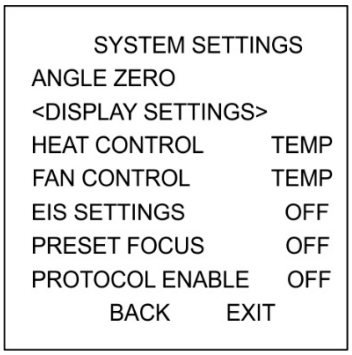
System Settings

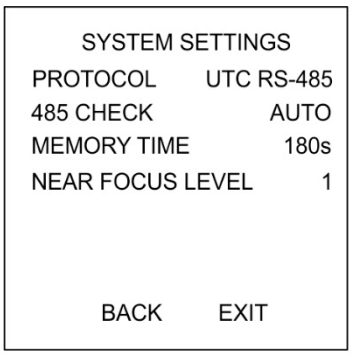
You can check and edit the system information of the software address, baud rate, system time, etc. on the system information settings menu.

Note: Click the left and right directional buttons in the PTZ control panel via the web browser of the encoder to enter the next page and return to the previous page of the submenu if more than one page is available.

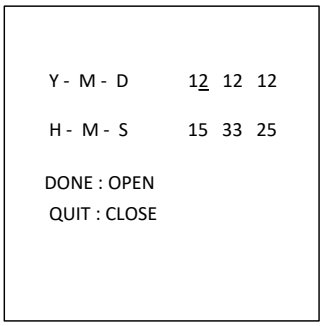
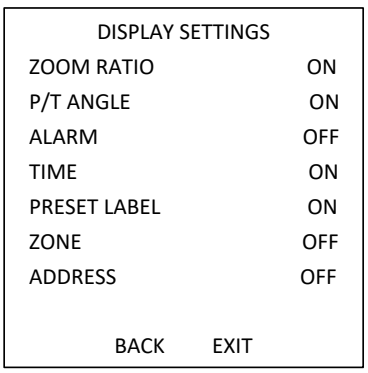
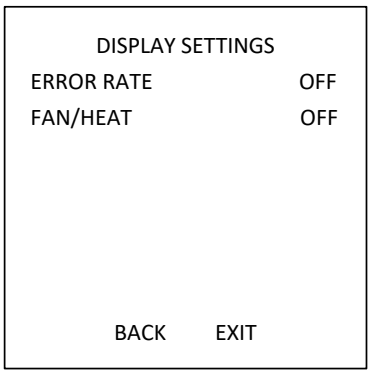
Note: As TruVision recorders do not support an address greater than 255, a soft address greater than 255 will not support any protocol even though the camera supports 8190 address for UTC-RS485 (Interlogix-Protocol) and 512 address for DIGIPLEX and ASCII. However, you can have an address greater than 255 for legacy products that supports UTC-RS-485 (Interlogix-Protocol), DIGIPLEX or ASCII.







SOFT ADDRESS	This is the address to connect and control the HD-TVI PTZ dome. It can be used as an alternative to the hard address if, for example, the address must be above the available hard address.
SET SOFT ADDRESS	**ON**: The soft address is the valid address for the HD-TVI PTZ dome. The selectable soft address range is from 1 to 255. **OFF**: This refers to the hard address. Use the DIP switch to set the valid address for the HD-TVI PTZ dome.

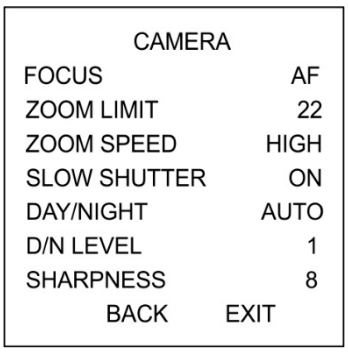
SOFT BAUDRATE	This is the valid baud rate for the HD-TVI PTZ dome with the soft address.
SET SOFT BAUD	**ON**: The soft baud rate is the valid baud rate for the HD-TVI PTZ dome. Select 2400, 4800, 9600 or 19200. **OFF**: Use the DIP switch to set the baud rate.
BROADCAST ADDR	When set to **ON**, the control device with address 0 can control all domes connected to it.
PELCO	This is used for Pelco-P and Pelco-D protocols. If the video freezes, set **PELCO** to **ON** to improve the video quality.
SYSTEM TIME	1. Move the cursor to **SYS TIME** using the directional buttons and click **IRIS+** to enter. 2. Click the left/right directional buttons to position the cursor on the specific item (year/month/day or hour/minute/second) of which you want to change the value. 3. Click the up/down directional buttons to increase/decrease the value. 4. Click **IRIS+** button to confirm the settings and exit. 
ANGLE ZERO	Define the angle zero of the PTZ dome. Angle zero is when the PT position of the dome is 0.0. Use this function to set the angle zero.
DISPLAY SETTINGS	Enable or disable the on-screen display of PTZ movements, alarms, time, presets, zone, address, error rate, and fan/heat show, etc.  
ZOOM RATIO	**ON**: Enable the on-screen display of zoom ratio. **OFF**: Disable the on-screen display of zoom ratio. **2**: The ZOOM RATIO will display on-screen for 2 seconds.

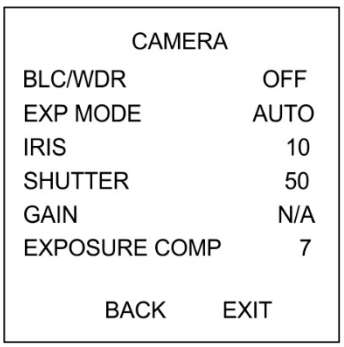
		5: The ZOOM RATIO will display on-screen for 5 seconds. **10**: The ZOOM RATIO will display on-screen for 10 seconds.
	P/T ANGLE	**ON**: Enable the on-screen display of the P/T angle. **OFF**: Disable the on-screen display of the P/T angle. **2**: The P/T angle will display on-screen for 2 seconds. **5**: The P/T angle will display on-screen for 5 seconds. **10**: The P/T angle will display on-screen for 10 seconds.
	ALARM	**ON**: Enable the on-screen display of alarm message. **OFF**: Disable the on-screen display of alarm message.
	TIME	**ON**: Enable the on-screen display of time. **OFF**: Disable the on-screen display of time.
	PRESET LABEL	**ON**: Enable the on-screen display of the preset label. **OFF**: Disable the on-screen display of the preset label. **2**: The PRESET LABEL will display on-screen for 2 seconds. **5**: The PRESET LABEL will display on-screen for 5 seconds. **10**: The PRESET LABEL will display on-screen for 10 seconds.
	ZONE	**ON**: Enable the on-screen display of the zone. **OFF**: Disable the on-screen display of the zone.
	ADDRESS	**ON**: Enable the on-screen display of the camera address. **OFF**: Disable the on-screen display of the camera address.
	ERROR RATE	**ON**: Enable the on-screen display of the error rate. **OFF**: Disable the on-screen display of the error rate.
	FAN/HEAT	**ON**: Enable the on-screen display of the fan/heater message. **OFF**: Disable the on-screen display of the fan/heater message.
HEAT CONTROL	TEMP: The heater is controlled by the temperature. **ON**: Enable the heater. **OFF**: Disable the heater. **N/A**: Only for non-IR PTZ.	

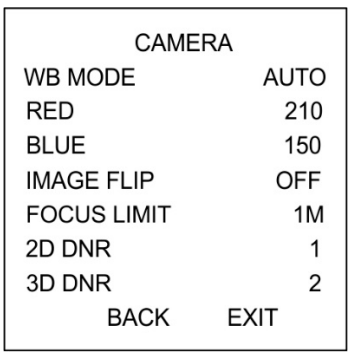
FAN CONTROL	TEMP: The fan is controlled by the temperature. **ON**: Enable the fan. **OFF**: Disable the fan.
EIS SETTINGS	**ON**: Enable the Electronic Image Stabilization. **OFF**: Disable the Electronic Image Stabilization.
PRESET FOCUS	**ON**: Enable the preset direct focus function to also save the focus (F) value. **OFF**: Disable the preset direct focus function.
PROTOCOL ENABLE	**ON**: The user-defined protocol is enabled. **OFF**: The user-defined protocol is disabled.
PROTOCOL	Define the protocol: **UTC RS-485**, **PELCO-P**, **PELCO-D**, **DIGIPLEX**, or **ASCII**.
485 CHECK	Set to **ON** or **AUTO** for automatic RS-485 configuration diagnosis. If the configuration is incorrect, an alert will be received. If you set the value as **AUTO**, it will automatically stop the diagnosis when no errors exist.
MEMORY TIME	The dome resumes its previous PTZ status when it restarts after a power-off and had stopped at the position longer than the predefined time. Set the memory time to 10 s, 30 s, 60s, 180 s, or 300 s.
NEAR FOCUS LEVEL	This is a debug interface. It ranges from 0 to 2. Select one level to have the optimal focus speed and accuracy depending on the actual scenario.

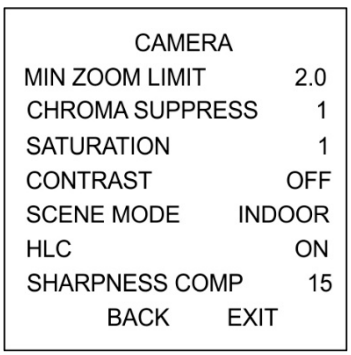
Camera Settings

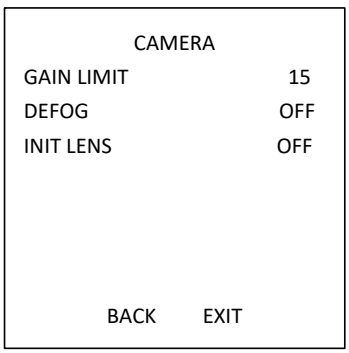
You can set the camera parameters including focus, shutter speed, iris, etc.









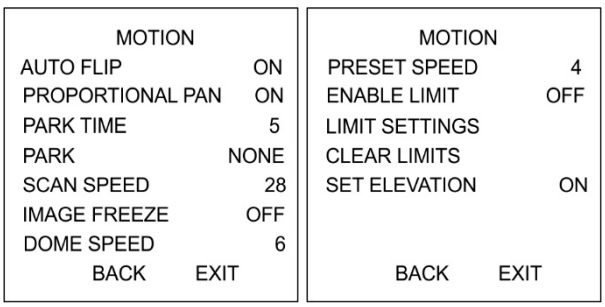


FOCUS	Set the focus mode. **AF** (Autofocus): The lens remains in focus during PTZ movements. **MF** (Manual Focus): Manually adjust the focus using the Focus+ and Focus- buttons. **HAF** (Half-autofocus): The PTZ dome only focuses automatically once after panning, tilting and zooming. **Note**: The focus mode needs to be changed to **MF** before controlling Focus in the PTZ panel.
ZOOM LIMIT	Set the user-defined limitation of the zoom amount. Zoom level= Optical zoom × Digital zoom. If you set the zoom limit to its minimum value (22), digital zoom is disabled and optical zoom is at maximum value. If you set a lower zoom limit, digital zoom is enabled.
ZOOM SPEED	Define the speed at which the lens changes from wide to the optical zoom.
SLOW SHUTTER	This extends the exposure time under low light conditions in order to obtain a clearer image. It can be set from 0 to 5 and the higher the value is, the longer the exposure time.
DAY/NIGHT	Set the value to AUTO, DAY or NIGHT. **AUTO**: The PTZ dome automatically switches from Black and White mode (NIGHT) and Color mode (DAY) depending on the light conditions. This is default mode. **NIGHT (B/W)**: Switch the IR cut filter to Black and White mode to increase the lens sensitivity in low light conditions **DAY (Color)**: Switch to Day mode in normal light conditions. **Note**: ● Set the DAY/NIGHT values in this menu. Call up preset 39 to set the IR cut filter mode to DAY mode and call up preset 40 to set it to NIGHT mode. ● The DAY/NIGHT values cannot be configured unless the IR function is disabled.
D/N LEVEL	This is the light level for auto D/N mode switch. The IR cut filter switches between DAY and NIGHT mode when the light conditions reach this user-defined D/N sensitivity level.
SHARPNESS	This function increases the image gain and sharpens the edges in the image to enhance image details. Set the sharpness level between 0 and 15.
BLC/WDR	Set the value as **ON** or **OFF** to enable or disable the functions.
EXP MODE	**AUTO:** Auto iris, auto shutter and auto gain. The PTZ dome automatically adjusts the values depending on the light conditions. This is default mode. **IRIS:** User-defined iris value, auto shutter and auto gain. It is the iris-priority mode. Define the iris value in the IRIS, SHUTTER and GAIN menus (see below). **SHUTTER:** User-defined shutter speed, auto iris, and auto gain. It is the shutter-priority mode. Define the shutter speed in the IRIS, SHUTTER and GAIN menus (see below). **MANUAL:** User-defined iris, gain, and shutter in the IRIS, SHUTTER and GAIN menus (see below).

IRIS	It measures the amount of light entering to the lens. You can set the iris value from 0 to 17 in response to the changing light conditions. The EXP MODE needs to be changed to **MANUAL** before controlling the Iris in the PTZ panel. **Note:** Iris is fully closed at 0 and fully open at 17.
SHUTTER	The speed of the electronic shutter controls the amount of light entering to the lens in a unit of time (a second). You can manually configure the shutter speed for the PTZ dome. You can also enable a slow shutter function for low light conditions. The higher you set the **SHUTTER** value (a faster shutter speed), the lower the amount of light entering per second, and the darker the image. Set the value to 1, 2, 4, 8, 15, 30, 50, 125, 180, 250, 500, 1000, 2000, 4000 or 10000. **Note:** The value of X indicates that the shutter speed is 1/X second.
GAIN	**Gain value:** The gain value is the amplification degree of the original image signal. Set the value between 0 and 15. **Gain limit:** The higher gain value set, the more noise will appear in the image. You can set the maximum gain value between 0 and 15 to limit the gain range and control the noise in the image. **Note:** Change **DAY/NIGHT** mode to **DAY** or **NIGHT** mode, and set the **EXP MODE** as MANUAL before adjusting the gain value.
EXPOSURE COMP	Adjust this value to increase the brightness of the image. Set the **EXPOSURE COMP** value between 0 and 14. Default value is 7.
WB MODE	Set the WHITE BALANCE MODE as AUTO (default), INDOOR, OUTDOOR, SELFDEF (self-defined), ATW (auto-tracking) or HAUTO (half-auto). **AUTO:** The dome automatically retains color balance according to the current color temperature. **INDOOR, OUTDOOR:** These two modes are for indoor use and outdoor use respectively. **SELFDEF:** Adjust the color temperature manually. **Note:** In **SELFDEF** mode, you need to adjust the RED and BLUE values manually. **ATW:** In auto-tracking mode, white balance is continuously being adjusted in real-time according to the color temperature of the scene illumination. **HAUTO:** Select this mode so that the viewed image automatically retains color balance depending on the current color temperature.
RED	It is used to adjust the red value when choosing **SELFDEF** for WHITE BALANCE and it can be set from 0 to 255.
BLUE	It is used to adjust the blue value when choosing **SELFDEF** for WHITE BALANCE and it can be set from 0 to 255.
IMAGE FLIP	When enabled, the image is flipped diagonally along its central axis to obtain a mirror reflection of the image.
FOCUS LIMIT	Set the minimum focus distance. Configure the focus limit at a longer distance when the target is far away to avoid the PTZ dome focusing on objects close to it, or configure a shorter distance when the target is close to the PTZ dome so it does not focus on further away objects.

	Set **FOCUS LIMIT** to 1 cm, 30 cm, 1 m, 3 m, 5 m or AUTO to make sure that the PTZ dome focuses on the target. **Note**: If you test the PTZ indoors the camera may not focus when zooming at high ratio. Adjust this parameter to a lower value.
2D DNR	**ON**: The larger the value, the less noise there will be in low light conditions. **OFF**: Disable the function.
3D DNR	**ON**: The larger the value, the less noise there will be in low light conditions. **OFF**: Disable the function.
MINI ZOOM LIMIT	Set the minimum zoom of the lens. **Note:** This function is not supported by all PTZ dome cameras.
CHROMA SUPPRESS	**ON**: Suppress color noise to obtain clear and high-quality images in low light conditions. **OFF**: Disable the function.
SATURATION	Saturation indicates the brightness of the color. The higher the saturation, the brighter the color.
CONTRAST	Contrast is the degree of difference between the darker and lighter parts of the image.
SCENE MODE	Select the scene mode as **INDOOR** or **OUTDOOR**. The default image settings change depending on the selected scene mode.
HLC	Use this highlight compensation function to compensate for areas with strong spots of light in order to produce clearer images. Set the value to brighten the darker area and weaken the highlight area of the image. The larger the value selected, the stronger the effect.
SHARPNESS COMP	Set the value to automatically adjust the sharpness of the image to get a clear image. The larger the value selected, the stronger the effect.
GAIN LIMIT	The higher gain value you set, the more noise will appear in the image. Set the maximum gain value between 0 and 15 to limit the gain range and control the noise in the image.
DEFOG	Enable this function to improve an image's visibility and clarity in foggy weather.
INIT LENS	Enable this function to automatically initialize the lens to ensure normal operation. **Note**: It is initialized at 00:00 when enabled. Initialize the lens by clicking Iris+ while in the menu.

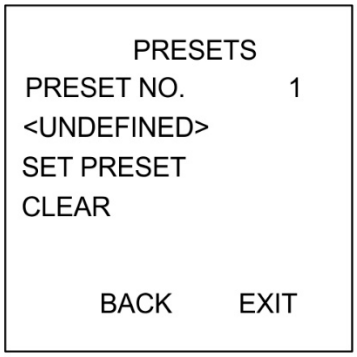
Motion Parameter



AUTO FLIP	In manual tracking mode, the dome automatically rotates 180 degrees horizontally when a target object passes directly under the PTZ dome for uninterrupted tracking. **Note**: **AUTO-FLIP** is set to **ON** by default. It is not user-definable.
PROPORTIONAL PAN	Use this function to change the pan/tilt speed according to the amount of zoom. When there is a large amount of zoom, the pan/tilt speed will be slower to prevent the image from moving too quickly in live view. Set to **ON** or **OFF** to enable/disable the function. **Note**: This function is enabled automatically while setting a shadow tour.
PARK TIME	This is a period of inactivity after which the PTZ dome automatically starts a predefined action. Set it between 5 and 720 seconds.
PARK	This is a predefined action. It can be set as presets 1-8, shadow tours 1-5, preset tours1-10, pan scan, tilt scan, panoramic scan, day mode, night mode or none. **Note**: If no control signal is received after the park time under the following situations, no park action is performed: - When performing dome actions by calling special presets; or, - When performing external alarm linkage actions.
SCAN SPEED	The scan speed defines the scan degree per second of pan scan, tilt scan, and panoramic scan. Select a scan speed between 1 and 40. The larger the value, the faster the scan speed.
IMAGE FREEZE	Use this feature to directly switch from live view of the current scene to another scene that is defined by a preset without showing the areas between these two scenes. It reduces the bandwidth usage in a digital network system and also provides privacy protection for the areas between the two scenes displayed.
DOME SPEED	Manually set the dome speed between 1 and 10.
PRESET SPEED	Set the speed to call up a preset between1 and 8. The larger the value, the faster the speed to call up a preset.
ENABLE LIMIT	These are user-configurable positions that limit the panning and tilting area of the PTZ dome. Set the left, right, up and down limits to define an area. **ON**: This feature is enabled. **OFF**: This feature is disabled.
LIMIT SETTINGS	Set prompts to set the left, right, up and down limits from the menu.
CLEAR LIMITS	Clear the limit setting.
SET ELEVATION	**ON**: Enable to increase the elevation angle range of the PTZ dome. **OFF**: Disable the function. **Note**: The range of the elevation angle is 0 to 90° by default. It changes to between -15° and 90° when SET ELEVATION is enabled.

Presets

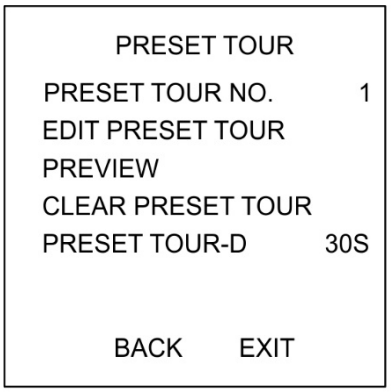
A preset is a user-defined monitoring position/point. You can call up the preset number to change the current monitor scene to the defined position.



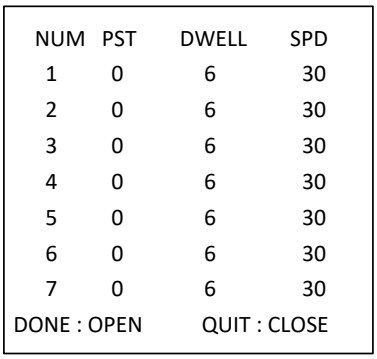
PRESET NO.	Select the preset number from between 1 and 256.
<UNDEFINED>	This is the preset label. If the preset has been defined, the preset label is displayed under the number. If it has not been defined, UNDEFINED is displayed under the number.
SET PRESET	Set the desired scene/position of the preset.
CLEAR	Clear the preset settings.

Preset Tour

A sequence of user-defined presets stored in the system memory and recalled when required, either upon an alarm trigger, when programmed, or on manual recall.



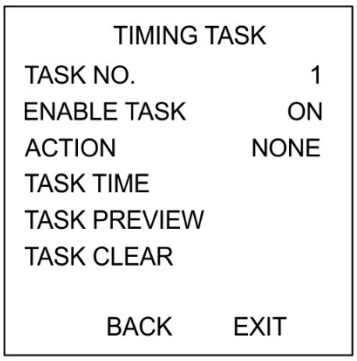
PRESET TOUR NO.	Select a preset tour number between 1 and 10.
EDIT PRESET TOUR	Enter edit mode. The menu is shown below. Click the left/right directional buttons to position the cursor in the PRESET, DWELL and SPD columns. Click the up/down directional buttons to set the value of the preset number, dwell time and patrol speed.



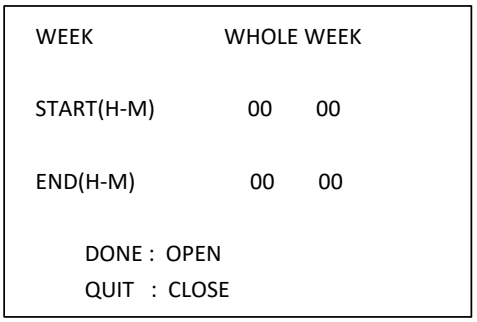
	Note: The presets used in a patrol must be pre-defined. The dwell time is a preset amount of time a camera image is displayed before the camera moves to the next preset position. It is the camera's inactive time. Select a dwell time value between 0 to 800 seconds, which is divided into 30 levels. The patrol speed is the scanning speed the PTZ dome to switch between the presets. Select a patrol speed value between1 and 40.
PREVIEW	Preview the current patrol.
CLEAR PRESET TOUR	Delete the current patrol.
PRESET TOUR-D	This is the time to switch from one preset to another. Select 5 s, 10 s, 20 s, 30 s, or 60 s.

Timing Task

A timing task is a preconfigured action that can be performed automatically at a specific date and time.



TASK NO.	Select a task number between 1 and 8.
ENABLE TASK	**ON**: Enable the task. **OFF**: Disable the task.
ACTION	Select a task from preset 1 to 8, shadow tour 1 to 5, preset your 1 to 10, pan scan, tilt scan, panoramic scan, day mode, night mode, zero calibrate and none.
TASK TIME	Click the left and right directional buttons to position the cursor at **WEEK**, **START (H-M)** and **END (H-M)**. Click the up and down directional buttons to set the start and end times to run the time task.

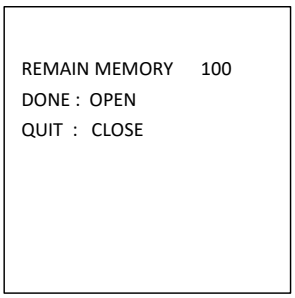


Note: The weekday can be set to be from **Monday** to **Sunday** or **Whole Week**; **H** refers to Hour and **M** refers to Minute.

TASK PREVIEW	Preview the current task.
TASK CLEAR	Delete all the defined tasks.

Shadow Tour

A shadow tour is a recording of a user-defined movement of a PTZ dome camera. A shadow tour can be stored and replayed.

SHADOW TOUR NO.	Select a shadow tour number between 1 and 5.
EDIT SHADOW TOUR	Use this menu to record a shadow tour. Click the PTZ control and directional buttons to operate the PTZ dome to draw a path, including pan scan, tilt scan, zoom in, zoom out, etc. The PTZ dome automatically memorizes the path as a shadow tour.  **Note:** The pan/tilt movements and the lens operations cannot be simultaneously memorized.
PREVIEW	Preview the current shadow tour.

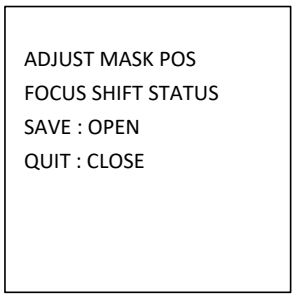
CLEAR SHADOW TOUR	Delete all the defined shadow tours.
REMAINING	This shows the remaining memory of the PTZ dome to configure shadow tours. When it reaches 0, no more shadow tours can be configured.

Privacy Mask

This is a visual block or masked area that is configured to conceal the view in designated areas. For example, blocking out neighboring windows to protect them from being viewed and/or recorded.

The masked areas can move with the pan/tilt movements and automatically adjust in size as the lens zooms in and out.

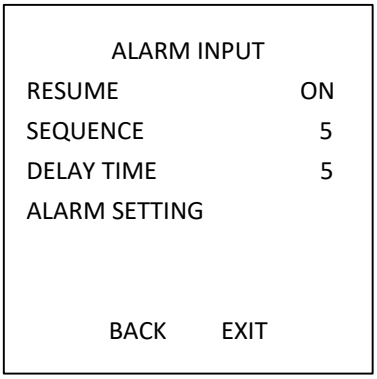
Note: Occasionally portions of the masked area may be visible when quick pan-tilt-zoom commands are executed. It is recommended that privacy mask regions are configured to extend past the boundaries of the protected area to avoid inadvertent exposure.

MASK NO.	The privacy mask number, which ranges from 1 to 24.
MASK STATUS	**ON**: Enable the privacy mask function. **OFF**: Disable the privacy mask function.
SET MASK	Click this menu option to enter the editing mode (see below).  **ADJUST MASK POS**: Use this function to position the mask on-screen. Click the directional buttons to move the privacy mask to the desired area. Click the **FOCUS+** button to call up the *ADJUST MASK SIZE* message on-screen. Click the up/down buttons to increase/decrease the height of the mask and click right/left buttons to increase/decrease the width of the mask. **Note:** The tilt range to configure privacy masks is between 0° and 70°.

	SAVE: Click to save changes and return to the previous menu. The masked area turns gray. To modify the mask, click **IRIS+** to enter the **SET MASK** menu. Click **IRIS+** button again to edit. **QUIT**: Cancel.
CLEAR MASK	Delete all privacy masks.

Alarm Input

You can configure the PTZ dome to respond to alarm events with alarm linked actions, such as calling presets, preset tours, shadow tours, scanning, etc.



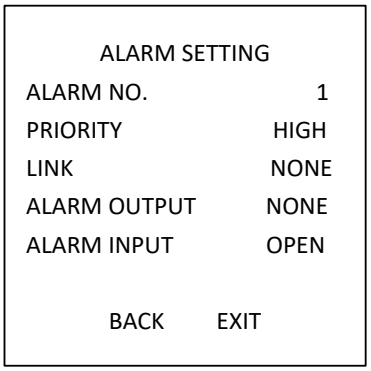
RESUME	**ON**: Enable the PTZ dome to resume its previous activity after the triggered actions finished. **OFF**: Disable the PTZ dome to resume its previous activity after the triggered actions finished. **Note:** ● If the PTZ dome is moving when a linkage action is triggered, it will stop at the current position and resume from this position after the linkage action finishes. ● The PTZ dome can be configured to resume the PTZ positions, focus and iris value.
SEQUENCE	This is a user-defined interval after which the PTZ dome will respond to one alarm first and then to the next one when more than one alarm of the same priority occurs at the same time. Set a value between 1 and 200 seconds.
DELAY TIME	If a linkage action has already been triggered by an alarm input, the PTZ dome only responds to the input from the same channel after a user-defined reset delay time**.** This is the rest time that the PTZ dome considers an alarm to be active when it is physically cleared. Set a value between 0 and 300 seconds.
ALARM SETTING	**ALARM NO.**: The alarm number up to 2. **PRIORITY**: Set it as HIGH, MEDIUM or LOW. If multiple alarms with different priorities are triggered at the same time, the dome only responds to the alarm with the highest priority. If multiple alarms with the same priority are triggered at the same time, then the dome will respond to each alarm according to the defined alarm sequence. **LINK**: It can be set as preset from 1 to 8, shadow tour from 1 to 5, preset tour from 1 to 10, panning scan, tilting scan, panoramic scan, day mode, night mode or none when an alarm occurs.

ALARM OUTPUT: Choose NONE to disable alarm outputs or choose 1 to active ALARM OUTPUT 1.

Note: There is 1 alarm output configurable; configuring the alarm output 2 will be invalid.

ALARM INPUT: Set the input status to OPEN (Normally open), CLOSE (Normally closed) or OFF (disable the alarm input).

Note: If you set the status as OPEN, the alarm will be triggered by high current level. If you set the status as CLOSE, the alarm will be triggered by low current level. If you set the status as OFF, it will be triggered when this input channel is disabled.



Alarm Output

An alarm output is a configurable alarm output interface on the PTZ dome back box that can connect and trigger another alarm device to operate.

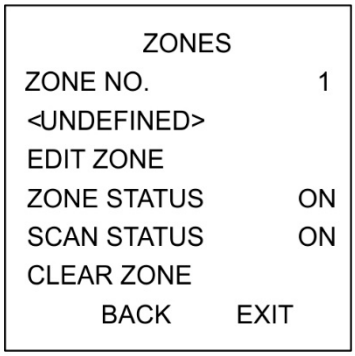
ALARM OUTPUT	Set the alarm output type as OPEN (normally open) or CLOSE (normally closed). **Note**: Only one alarm output can be configured. The second alarm output cannot be configured.
OUTPUT1, OUTPUT2	**OPEN:** Set the alarm output to normally open. **CLOSE:** Set the alarm output to normally closed.
DWELL TIME	This is the duration of the alarm output signal. Set the value between 0 and 60 seconds.

Clear Settings

PRESETS	Clear all the settings of presets.
PRESET TOURS	Clear all the settings of preset tours
SHADOW TOURS	Clear all the settings of shadow tours
MASKS	Clear all the settings of masks.
ZONES	Clear all the settings of zones.
TIME TASKS	Clear all the settings of timing tasks.

Zones

A zone is a panning and tilting area defined by left/right limits. You can configure the zones in the **ZONES** submenu. Define a zone when the targeted surveillance scene is limited.



ZONE NO.	Select a zone number ranging between 1 and 8.
<UNDEFINED>	This is the zone label. If the zone has been defined, the zone label is displayed under the number. If it has not been defined, UNDEFINED is displayed under the number.
EDIT ZONE	Follow the prompts to set the left and right limits.
ZONE STATUS	This shows the current status of the zone.
SCAN STATUS	**ON**: Enable zone scanning. **OFF**: Disable zone scanning.
CLEAR ZONE	Clear the zone settings.

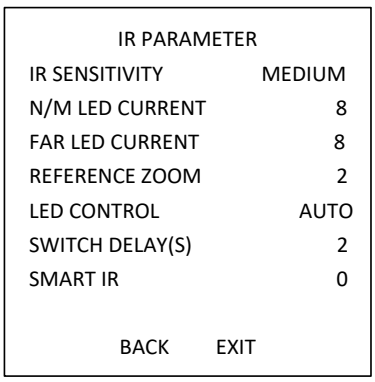
Video Setting

Modify the video output standard, including resolution and frame rate, as desired.

IR Parameter

You can configure the IR parameters including the IR sensitivity, N/M LED current as well as LED control, etc.

Note: The IR parameter settings are supported by IR PTZ domes only.



IR SENSITIVITY	Set the sensitivity of the IR LED to **HIGH**, **MEDIUM** or **LOW**.

N/M LED CURRENT	Select the current of the near/middle IR LED from between 1 to 10.
FAR LED CURRENT	Select the current of the far IR LED from between 1 to 10.
REFERENCE ZOOM	When the actual zoom rate is greater than the zoom limit, the IR switches to long-distance IR LED. When the zoom rate is less than the zoom limit, the IR switches to the near/medium-distance IR LED.
LED CONTROL	Set the LED control. Select one of the options: **ALL ON**: Enable all IR LEDs **FAR ON**: Enable long-distance IR LEDs **NEAR ON**: Enable near/medium-distance IR LEDs **AUTO**: Enable IR LED automatically depending on the light conditions **ICR**: Adjust the IR LED working mode according to the ICR (infrared cut filter) **CLOSE**: Disable IR LEDs
SWITCH DELAY(S)	This is the time delay in switching between long-distance IR LED and N/M-distance IR LED.
SMART IR	Use this function to decrease the overexposure of IR light. It can be set from 0 to 15. The higher the value, the greater the suppression of IR overexposure.

Restore Camera

Enter MAIN MENU > RESTORE CAMERA

Click **IRIS+** to restore the camera settings to the default value, or click **IRIS-** to exit.

Note: Camera settings include the image parameters, lens settings and display settings.

Restore Settings

You can reset all dome settings to factory default parameters.

Note: Dome settings are mainly of PTZ parameters and alarm parameters. They also include some system settings, such as the dome address.

Enter default dome settings menu: **MAIN MENUS > RESTORE DEFAULTS**

Click **IRIS+** to restore the dome settings to the default value or click **IRIS-** to exit.

Reboot Dome

Enter **MAIN MENU > REBOOT DOME**. Click **IRIS+** to reboot the PTZ dome remotely.

Language

Enter **MAIN MENU** > **LANGUAGE**. Click left or right to change the language and click **IRIS+** to confirm the language.