Accessing the On-Screen Display (OSD)

1. Click this button to access the on-screen display.
2. Click the up and down arrow buttons to navigate the on-screen display.
3. Click the right arrow button to confirm selection. Click the left and right arrow buttons to change settings.

For camera connection instructions and an explanation of the PTZ controls, please consult the camera and DVR instruction manuals available at our website.
Main Menu

The on-screen display enables you to control the appearance and characteristics of the image shown on your camera. This is an addition to the settings that can be changed directly on the DVR. Some settings such as back light compensation and mirror can only be accessed via the on-screen display.

When accessing the on-screen display, the Main Menu will appear first. From here you can access the various settings available.

**System:** Access settings such as dome information, ID configuration and changing the time, date and auto run settings - see page 4 for more information.

**Camera:** Access advanced settings for image control and camera orientation - see page 8 for more information.

**Function:** Access the Scan and Patterns menus - see page 15 and page 16 respectively for more information. Please note, the Presets and Patrol menus have no function with this camera - see “Controlling a PTZ Camera” in your DVR’s instruction manual to create a preset and patrol.

**Infrared LED:** Access settings for the infrared LED.

Exit the menu when finished.
System: Dome Info

Display technical information about the camera. If you call our helpdesk for assistance, our staff may ask you to access this to assist them in solving any technical issues that you may be having.

Exit the menu when finished.

System: ID Setting - see page 5 for more information.
System: Clock Setting - see page 6 for more information.
System: Auto Run - see page 7 for more information.
System: Defaults - see page 17 for more information.
To change the ID and Baud Rate, you must confirm the serial number of the camera first.

1. Click the up arrow button to select “CONFIRM”.

2. Click the right arrow button to confirm selection. The first number will start flashing.

3. You need to match the camera’s serial number displayed. Click the right arrow button twice then click the up arrow button to change.

4. Click the right arrow button once then click the up arrow button to change. Click the right arrow button to confirm.

You can now change the “ID” and “BAUDRATE” if required. When adding multiple PTZ cameras, each camera must have a different ID address. This camera operates at 9600 baud rate.

Exit the menu when finished.
**System: Clock Setting**

- **Time:** The period displayed is in 24-hour time.
- **Date:** The period displayed is year-month-date.
- **Day:** Select the relevant day for the date displayed.

Exit the menu when finished.
The Auto Run function instructs the camera to enable a particular setting and to run a particular action if it is idle.

**Auto Flip:** When holding the down arrow button, the camera will rotate its point of view 180°. It’s recommended to leave this enabled.

**Proportion:** When you have zoomed into an object the camera will pan and tilt slowly. This allows you to track the object without losing it. It’s recommended to leave this enabled.

**Power Up Run:** When the camera is first turned on, you can instruct the camera to go to a particular preset or to run a patrol. As the Presets and Patrol menus have no function with this camera, we recommend that you do this on your DVR - see “Controlling a PTZ Camera” in your DVR’s instruction manual.

**Idle Run:** If the camera is idle, you can instruct the camera to go to a particular preset or to run a patrol. You can also adjust the idle time. Exit the menu when finished.
The green highlight indicates the option selected. Click the left and right arrow button to change the highlighted option.

Lang: Indicates the language used for the on-screen display. Only English is available.

Addr: Indicates the address allocated to the camera. When adding multiple PTZ cameras, each camera must have a different address.

Baud: The current operating baud rate. Most cameras operate at 9600.

OSD-Display: Enable this to display the current zoom level.

Addr-Display: This option has no function.

D & N: This allows you to choose how the camera manages the transition from day to night. It's recommended to leave the default selection.

D & N-LV: Controls how sensitive the camera’s IR cut filter is when transitioning from day to night. The higher the number, the more sensitive it is.

N & D-LV: Same as above but the transition is from night to day.

Mirror: Depending on how the camera is mounted, this will change the camera’s orientation. Select a relevant option.
AGC: This allows an increase in sensitivity, enabling operation in lower light conditions. Please note, increasing the sensitivity will also increase the video noise that is visible.

Bright: This changes how light the image appears to be.

Contrast: This increases the difference between the blackest black and the whitest white in the image.

Sharpness: Increase or decrease the overall sharpness of the image. Please note, increasing the sharpness will also increase the video noise that is visible.

Sat: This changes how much colour is displayed in the image. The higher the saturation, the more bright and vivid colours will appear.

ATR: This is known as Adaptive Tone Reproduction. This will brighten dark areas and darken bright areas.

2D-NR: 2D noise reduction will reduce video noise in low light images.

3D-NR: 3D noise reduction will reduce overall video noise in static images as well images with movement.

BLC: This improves exposure of an object that is in front of a light source.
**Camera (cont.)**

**WB:** This controls the White Balance. You can choose from a selection of preset options to adjust screen colour, so you can obtain the most accurate reproduction of colour tones in the scene (when selecting “MANU” or “USER”, the RGAIN and BGAIN can be adjusted). The “AUTO” selection will suite most circumstances.

**De-Fog:** This function digitally sharpens the image which is being degraded from fog, snow, haze or dust on the lens.

**Output:** If connected to a DVR that does not support high definition cameras, change this to “CVBS”.

**Format:** Select the correct video standard for your country. USA, Canada and some Latin American countries is 720 / 30 or NTSC. UK and Australia is 720 / 25 or PAL.
Camera (cont.)

**Zoom**: As the camera has 10x optical zoom, this option has no function.

**Focus**: Select auto focus or manual focus.

**Z-Save**: If you have zoomed into an object, this function retains the same zoom level when the camera’s power is disconnected then reconnected.

**F-Range**: Depending on where the camera is mounted, you may want to focus on objects that are in the far distance. You can adjust the camera’s focus up to 10 metres.

**ZDisp-Pos**: If you have “OSD-Display” enabled, change the position that you would like to display it.

**Reset**: Select this to enable factory default settings.

**Save-Exit**: Select this to save any changes and to exit to the Main Menu.
**Infrared LED**

**Sensitivity:** Increase or decrease the camera’s infrared LED. The higher the number, the greater the sensitivity.

**Manual Delay:** Increase or decrease the delay time when setting the camera’s infrared LED to “MANUAL”.

**IR On / Off** - see page 13 for more information.

**Luminance** - see page 14 for more information.

Exit the menu when finished.
Infrared LED: IR On / Off

**IR On / Off:** You have the option of changing this to “MANUAL” or “TIME”. The “AUTO” selection will suite most circumstances.

**On Time:** When selecting “TIME”, nominate when the camera’s infrared LED will turn on.

**Off Time:** Nominate when the camera’s infrared LED will turn off.

Exit the menu when finished.
**Infrared LED: Luminance**

**Luminance:** This controls how bright the camera’s infrared LED will be at night-time or in low light areas. It’s recommended to leave this on the default setting, as it will increase the operational life.

**Tele LED:** If selecting “MANUAL” for the camera’s luminance, adjust this when zooming into an object. The higher the number, the brighter the object will be.

**Wide LED:** Same as above but when zoom has not been used.

Exit the menu when finished.
The Scan function allows you to set a limit when the camera is panning. This might be helpful if you want to focus on areas that are close to each other.

**Scan Number:** Select a scan number. Up to four scans can be created.

**Scan Speed:** This controls how quick the camera will pan. The higher the number the faster the pan.

**Set Left Limit:** Click the left arrow button to move the camera to the desired location where you want to set the limit then click the + Iris button to save.

**Set Right Limit:** Click the right arrow button to move the camera to the desired location where you want to set the limit then click the + Iris button to save.

**Clear Scan:** Clears the scan number selected.

**Run Scan:** Click this to run the scan. To stop the scan, press one of the directional buttons.

Exit the menu when finished.
The Patterns function allows you to record the camera’s movements along a predefined path. This gives you the flexibility to focus the camera’s view on multiple paths within the image automatically.

**Pattern Number:** Select a scan number. Up to four patterns can be created.

**Record Pattern:** Use the directional buttons to move the camera to the desired start position. The Zoom and Focus controls can also be used. As you move the camera to the desired areas within the image, the camera will record the exact movements that you make. Click the + Iris button to save.

**Run Pattern:** Click this to run the pattern. To stop the pattern, press one of the directional buttons.

**Clear Pattern:** Clears the pattern number selected.

Exit the menu when finished.
If changes are made to the settings available or you want to move the camera to a different location, you can reset all settings by selecting the "FACTORY DEFAULTS" option. You can also restart the camera by selecting the "RESTART" option.

Exit the menu when finished.
Helpdesk & Technical Support

Technical Support E-mail: tech@swann.com

Telephone Helpdesk

USA Toll Free
1-800-627-2799

USA Parts & Warranty
1-800-627-2799
[M-F, 9am-5pm US PT]

AUSTRALIA
1800 788 210

NEW ZEALAND Toll Free
0800 479 266

UK
0808 168 9031