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EN

Sapphire V2SC
AI Camera Remote Guide

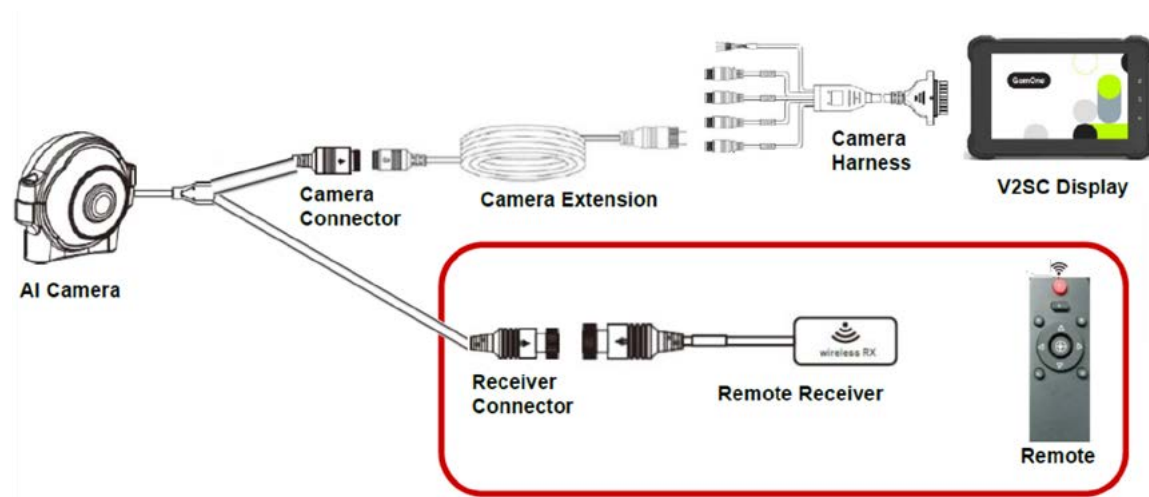**Procedure Manual**

Version 1 - January 2026

Content

1 - Introduction

The purpose of this guide is to explain the new functionality that comes with the revised version of the AI pedestrian detection camera. This camera is compatible with the existing camera harness and V2SC display.

2 - Setup Overview

The image below shows the setup for the new camera. The remote receiver and remote are new and not required for every camera. It is optional to configure the camera at the start and does not need to be connected to every camera for the camera to detect pedestrians.

The remote and receiver are not tied to the camera and can be moved across from one camera to another. There is a plastic cap to cover the receiver connector when not in use.

Receiver Information

The receiver allows the remote to program the camera. This connects to the receiver connector on the camera and only needs to be connected when programming the camera.

Once the camera has been programmed, disconnect the receiver, and cover the connector using the plastic cap.

Remote Information

The remote will require 2 x AAA batteries before it can be used. The batteries can be inserted at the back of the remote and are covered by the removable cap.

Since the remote can be used across multiple AI cameras, typically only one remote per customer is required.

3 - Remote functionality

Buttons are labelled with letters and each letter corresponds to a specific function. The sections below will cover the functionality of each button.

A Button - Changes Resolution and Camera Type

The camera is not required to be configured using this function as they are pre-configured from the factory. If the button is pressed, it does cycle through different combinations. The video feed on the sapphire display will switch each time it is pressed and the correct setting would be when the footage is clear.

> ⚠️ If this is pressed by accident, it takes around 6 additional presses to cycle back to the correct setting where the footage is clear.
>
> The sapphire display will cycle through the default colorful screen when the button is pressed and the configuration is applied.

B Button - Mirroring Feed

This button mirrors the image of the camera feed. It is the same setting as within the camera application and either option can be used. The image is flipped horizontally and is useful for reverse mounted cameras.
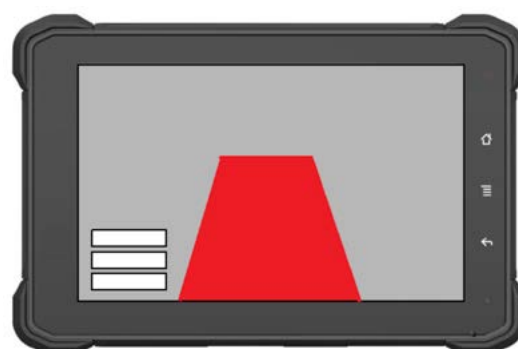
C Button - Pre-determined Detection Zones

This button allows the user to program the detection zone of the camera. Users can switch between the pre-determined zones and will trigger a continuous sound for the buzzer as it's a single detection zone

Standard Zone
This is the original zone that is the same as the original camera.

It works in most scenarios and will be the default option if the zone is not configured.

Wide Detection Zone
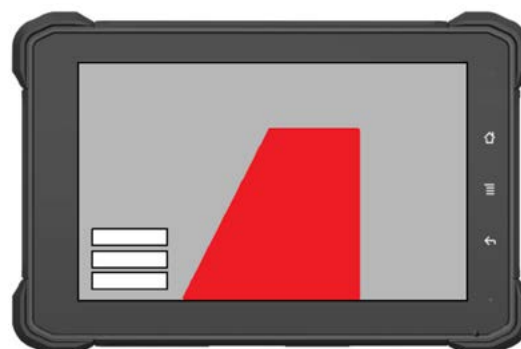This zone is typically used when the camera is mounted at the rear of the asset.

It has a broader detection width and allows for detection from a wider angle.

Left Detection Zone
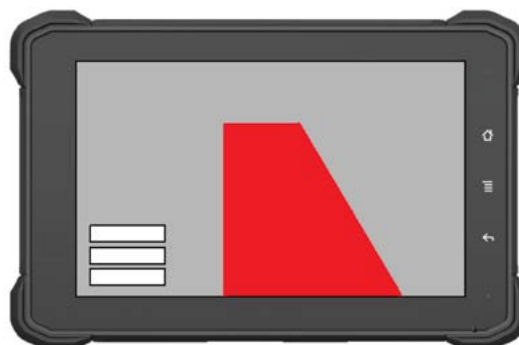This zone is typically used when the camera is mounted on the left side.

It can be used if the camera is pointing to the front or to the rear of the equipment.

Right Detection Zone
This zone is typically used when the camera is mounted on the right side.

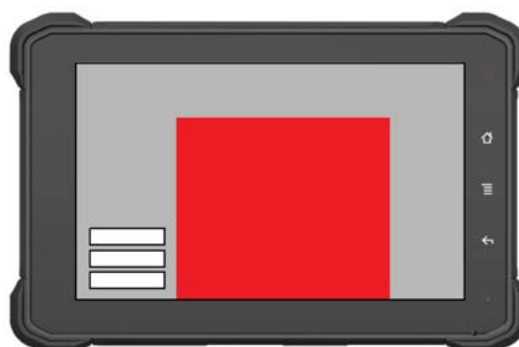It can be used if the camera is pointing to the front or to the rear of the equipment.

Narrow Detection Zone
This zone is used for environments where the asset drives through a narrow and high pedestrian zone and the pedestrians are behind a barrier.

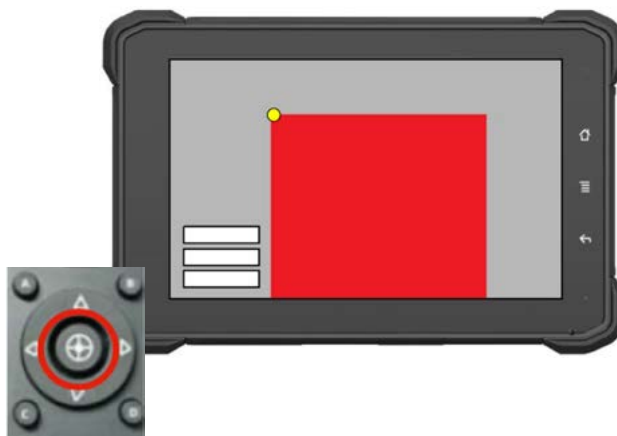The narrow detection zone allows the camera to drive through without alarm.

C Button - Pre-determined Detection Zones

All the zones can be customized to either change the shape of the zone or to add different detection zones within the primary zone

Programming Zone Shape
Changing the shape allows the user to fine-tune the detection zone that takes into account the environment, the mounting location, and also the type of work completed by the operator.
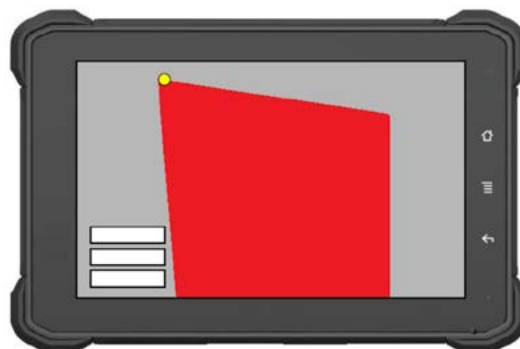
Press and hold the middle button on the remote to enter programming mode. A yellow dot will appear on the display to signal programming mode is enabled.

Use the arrow pad to adjust the shape of the zone.

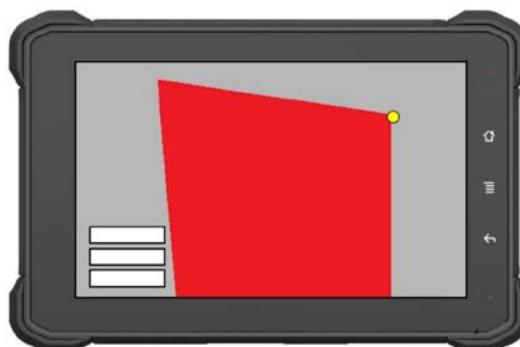Press and hold the directional arrow and the zone will move.

The example below shows pressing UP and LEFT on the remote.

Once the desired position is reached, press the middle button again and the yellow dot will move to the next point.

Press and hold the middle button for around 3 seconds to save.

The screen will flash and the new zone will be loaded.

Programming Sound Zones

Adding sound zones within the primary zone will determine how often the buzzer sounds. This allows the operator to know how close someone is relative to their equipment.

There are four levels:
Green:
the buzzer will sound
at the slowest frequency.
Yellow:
the buzzer frequency increases.
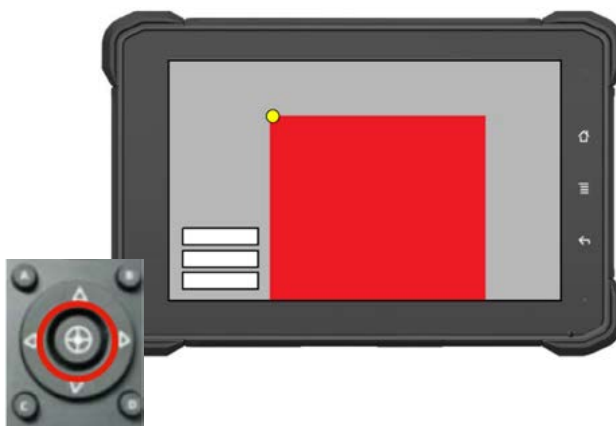**Orange:**
the buzzer frequency increases.
Red:
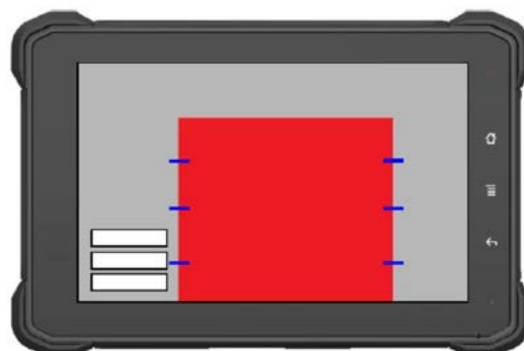the buzzer will sound
at the highest frequency.

Press and hold the middle button on the remote to enter programming mode.

A yellow dot will appear on the display to signal programming mode is enabled.

Press the C button to enable the sound zones. This will be off by default.

Press the A button on the remote to allow selection of the horizontal bar and thus setting the different sound zones.
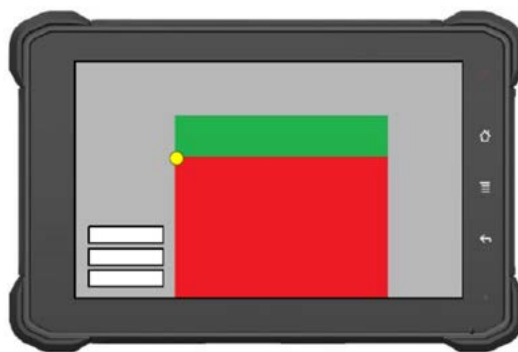
Press the B button to set the color of the zone.

Repeat these steps to set the required number of zones.

Press and hold the middle button for around 3 seconds to save.

The screen will flash and the new zone will be loaded.

D button - Toggles Detection OFF/ON

The setting will be ON as default. Turning this OFF will cause the zone to not light up and thus disabling the detection.

This can be used during demonstrations if there are lots of people surrounding the camera and the buzzer is sounding constantly.

Pressing this button will disable the buzzer to talk through the demonstration. The buzzer must be enabled after the presentation.

4 - Support

In case of issues, questions or feedback, feel free to contact our support team.

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