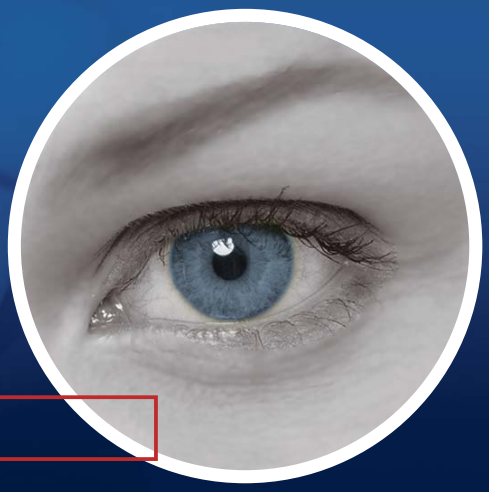
GeoVision inc
The Vision of Security

Surveillance System

New Feature Guide V8.5.8.0



The Vision of Security

FGV8580-A

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September 2013

Feature Guide for V8.5.8 GeoVision Surveillance System

This Guide provides an overview of key features in V8.5.8 GV-System. It also includes information about how the features differ from similar features in earlier versions.

Cards Supported

V8.5.8 only supports the following GV video capture cards:

- GV-600(S) V3.20 and later
- GV-650(S) V3.30 and later
- GV-800(S) V3.30 and later
- GV-804A V3.10 and later
- GV-600A, GV-600B
- GV-650A, GV-650B
- GV-800A, GV-800B
- GV-900A
- GV-1120, GV-1120A, GV-1120B
- GV-1240, GV-1240A, GV-1240B
- GV-1480, GV-1480A, GV-1480B
- GV-3008
- GV-4008, GV-4008A
- GV-5016
- GV-SDI-204

Note that GV-600 (V4), GV-650 (V4) and GV-800 (V4) and GV-804 (V4) Cards are renamed to GV-600A, GV-650A, GV-800A and GV-804A. These V4 and A Cards are the same video capture cards.

Contents

Cards Supported i

Contents ii

Main System 1

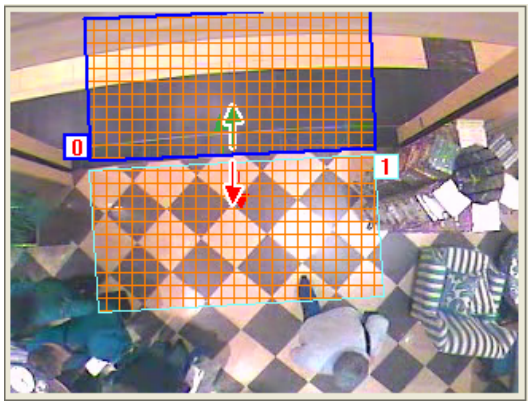
Setting the Counter and Intrusion Alarm without GV-USB Dongle 1

Main System

Setting the Counter and Intrusion Alarm without GV-USB Dongle

For V8.5.7, the counter and intrusion alarm functions required a GV-USB dongle. For V8.5.8, counter and intrusion alarm can now be established without a GV-USB dongle. Instead of using lines to mark the boundary of detection zones, boxes are used.

With GV-USB Dongle



Without GV-USB Dongle

Establishing a Counter

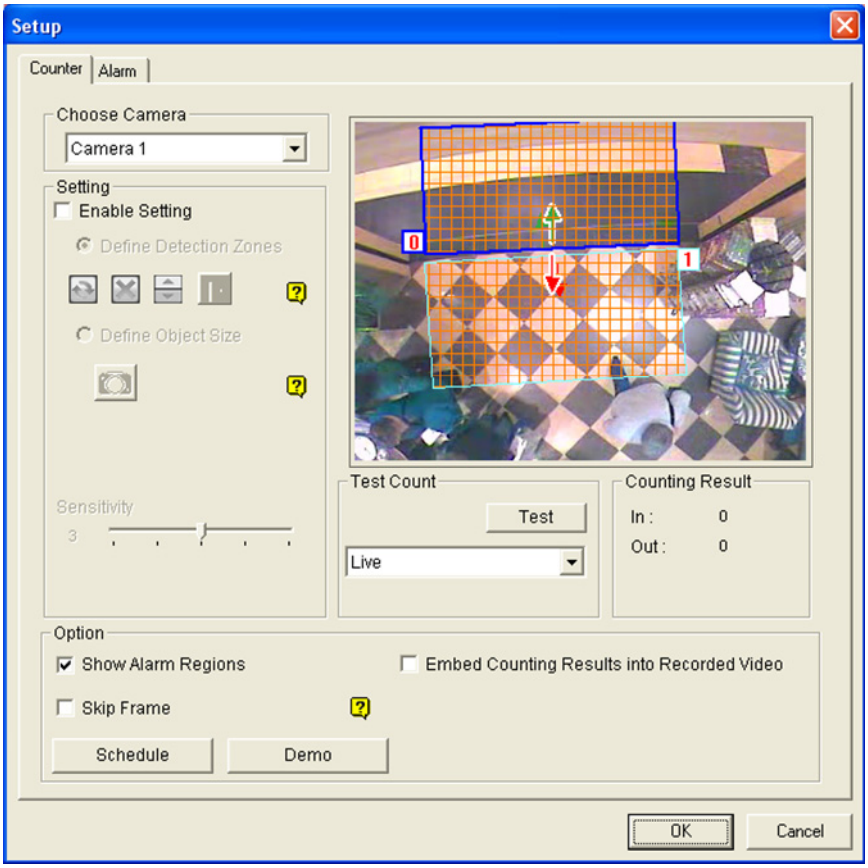


Figure 1-1

1. On the **Setup-Counter** page, draw the in and out detection zones on the live view. Each detection zone is numbered. You can use these buttons to reverse, delete or switch the detection zone.
2. Click this button to define the in and out criteria. This dialog box appears.

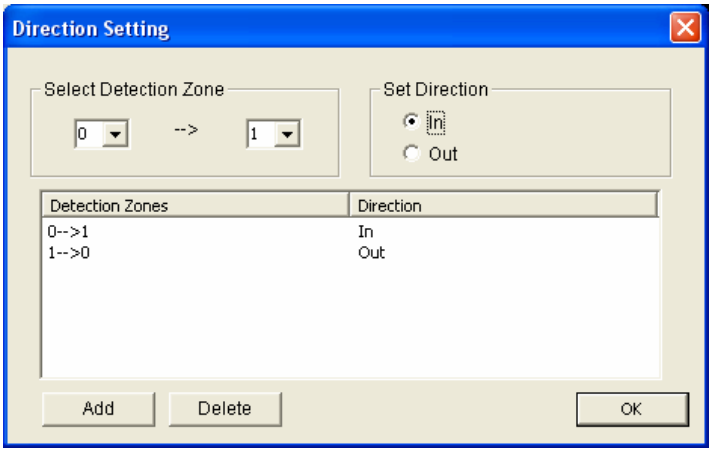


Figure 1-2

A. From the **Set Direction** section, select **In** and define the direction using the drop-down lists from the **Select Detection Zone** section.

B. Click the **Add** button. This setting appears under Detection Zones and Direction table.

C. Select **Out** from the **Set Direction** section and repeat step B to define the direction.

D. Click **OK**. The directions are indicated by arrows on the live view. In this example, a target object is counted as in when it first moves through detection zone 0 and then 1, and the object is counted as out when it first moves through detection zone 1 and then 0.

Note: Draw the detection zones as closely as possible to avoid omission of counting when target objects show up from the unmarked area and move only through one of the two boundaries.

For details, see *Intrusion Alarm*, Chapter 3, *GV-DVR User's Manual* on the Software DVR.

Establishing an Intrusion Alarm

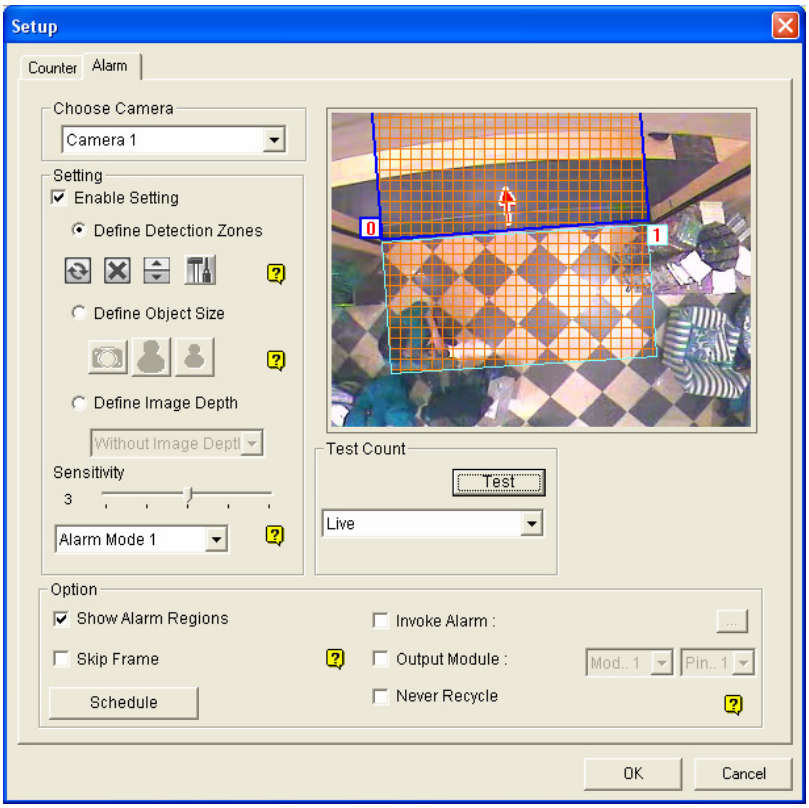


Figure 1-3

1. On the **Setup-Alarm** page, draw the detection zones on the live view. Each detection zone is numbered. You can use these buttons to reverse, delete or switch the detection zone.
2. Click this button to define the alarm criteria. This dialog box appears.

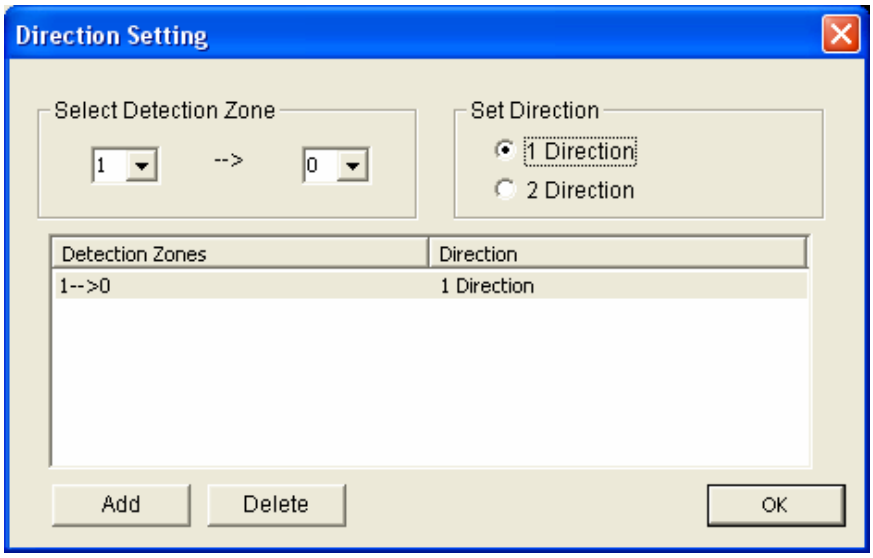


Figure 1-4

A. From the **Set Direction** section, select **1 Direction** for uni-direction or **2 Direction** for dual-direction criteria and use the drop-down lists in **Select Detection Zone** to define the direction.

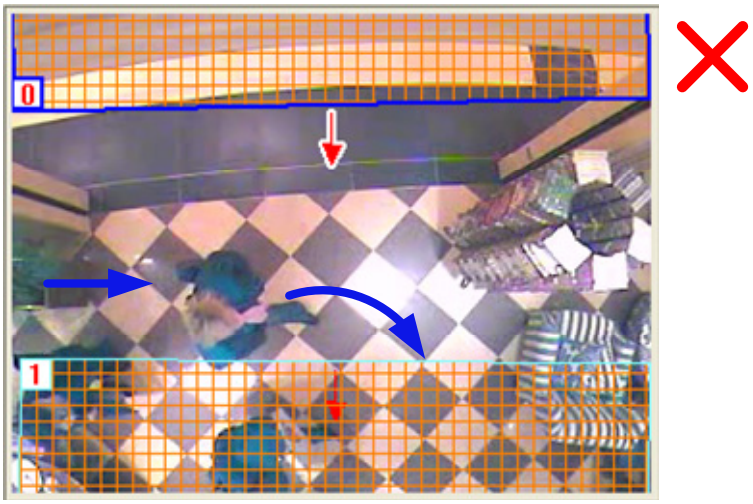
B. Click the **Add** button. This setting appears in the Detection Zones and Direction table.

C. Click **OK**. The directions are indicated by arrows on the live view.

3. On the Setup-Alarm dialog box, define the alarm criteria under **Sensitivity**.

- **Alarm Mode 1:** The alarm sets off when the target object moves through the first detection zone and touches the second detection zone in the defined direction.
- **Alarm Mode 2:** The alarm sets off when the target object moves through the first detection zone and its center moves through the second detection zone in the defined direction.

Note: Draw the detection zones as closely as possible to avoid omission of intrusion events when target objects show up from the unmarked area and only move through one of the two boundaries (as shown below). In this case, the alarm will not set off.



For details, see *Intrusion Alarm*, Chapter 3, *GV-DVR User's Manual* on the Software DVR.