ISAFE

Intelligent Video Box 1.0 Demo

User Manual

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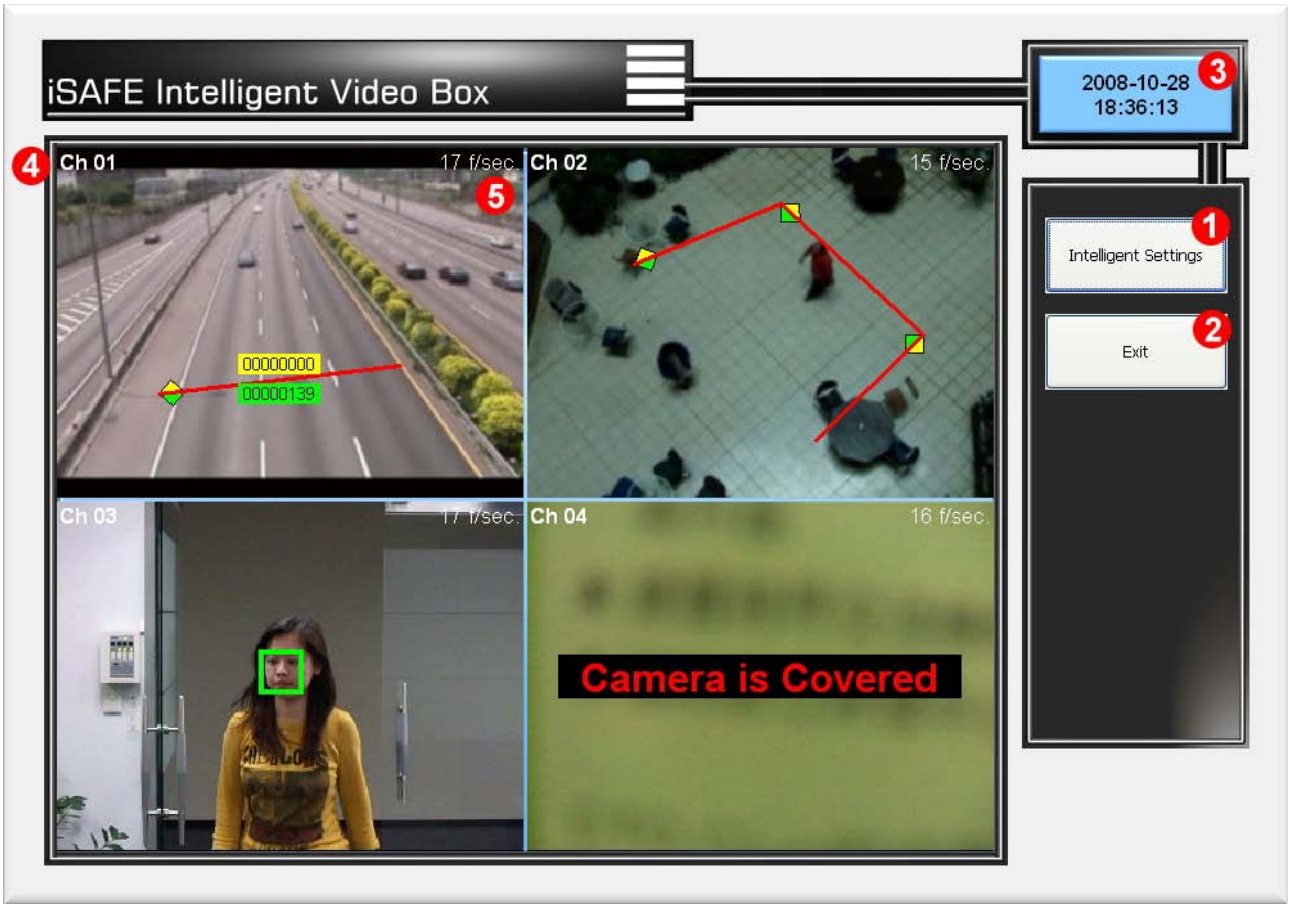
Description of Main Dialog



(1.) **Intelligent Settings**: Create, modify, or delete intelligent settings.

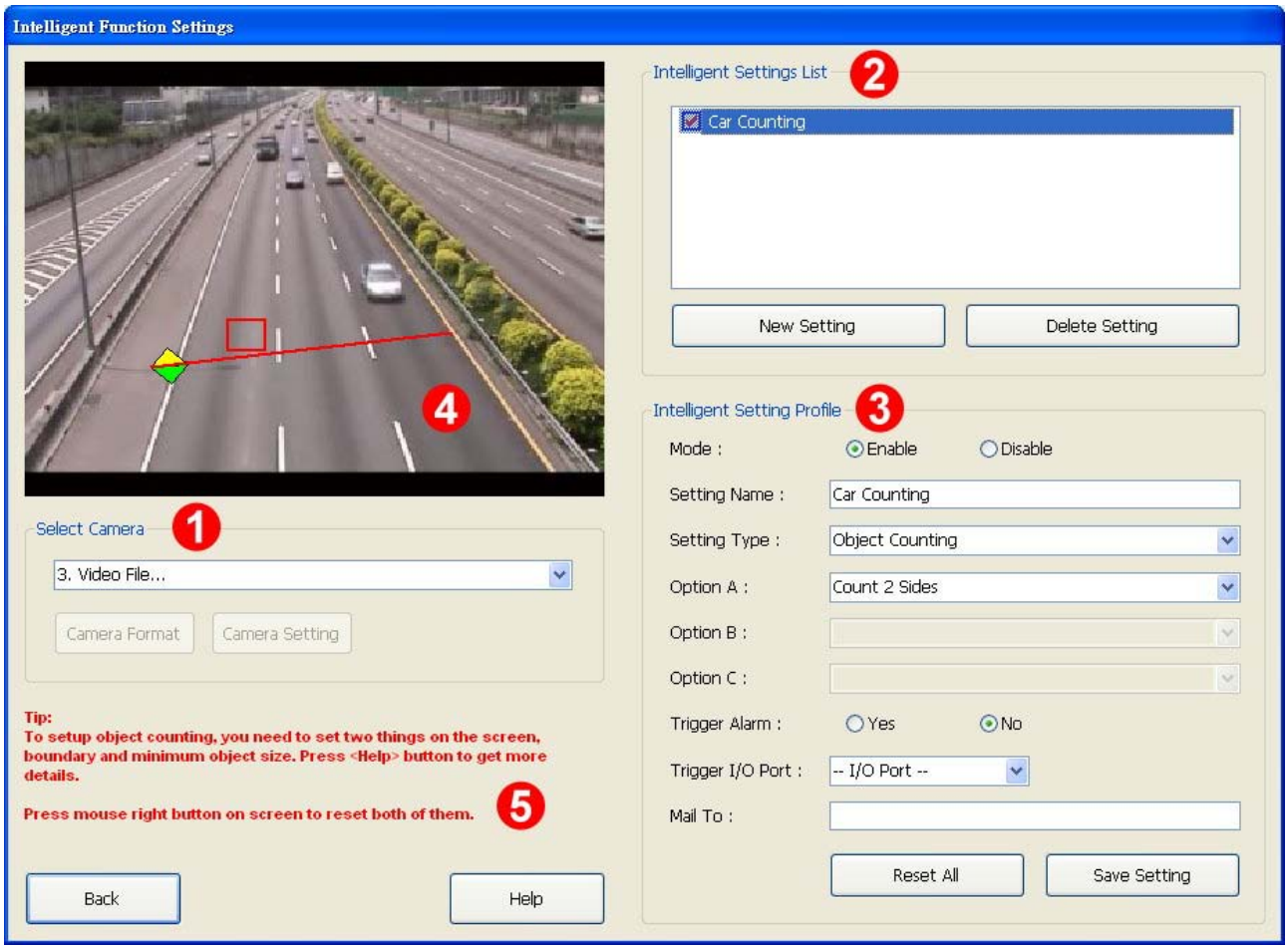
(2.) **Close Program**: Close the program.

(3.) **Date/Time**: Display current date and time.

(4.) **Channel Number**: Display the channel number.

(5.) **Frame Rate**: Display the current frame rate.

Description of Intelligent Function Setting Dialog



(1.) **Select Camera**: Select the video source. It can be capture card channel, web cam or video file.

(2.) **Intelligent Settings List**: Create, delete and display the intelligent settings list.

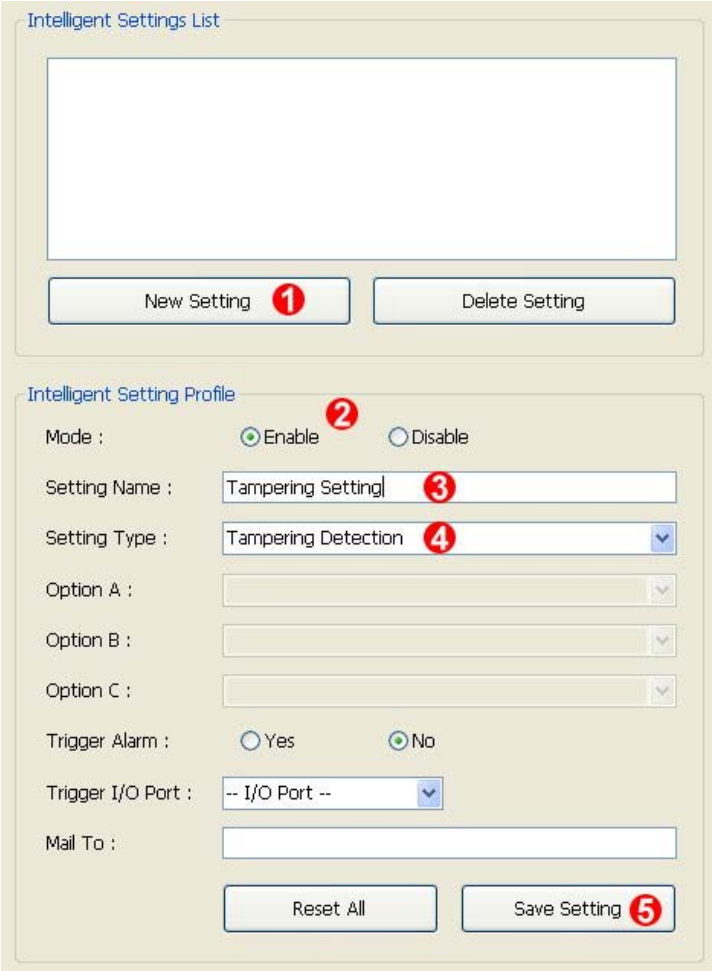
(3.) **Intelligent Setting Profile**: Create or modify an intelligent setting.

(4.) **Preview Box**: Some intelligent settings will need to set detected line and minimum object size. Those kind settings will be done on here.

(5.) **Tip**: Display the tip for different type intelligent settings.

Intelligent Function Setting Easy Step

Tampering Detection



(1.) Press the “New Setting” button.

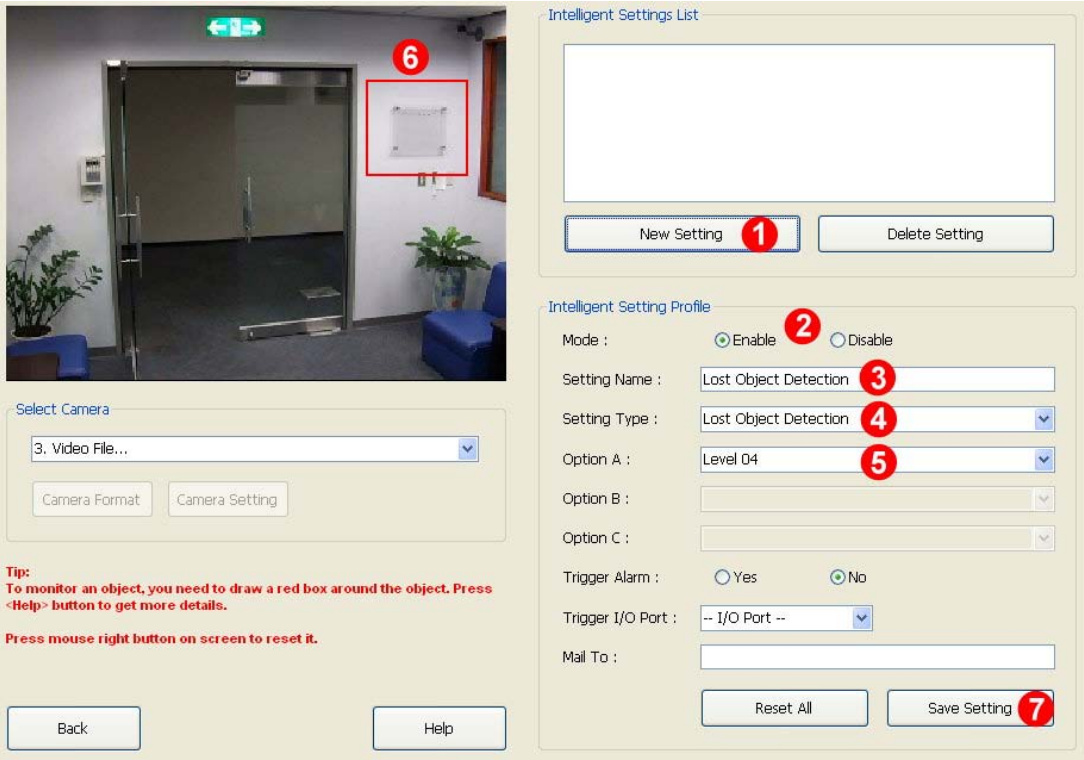
(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Tampering Detection”.

(5.) Press the “Save Setting” button to finish this setting.

Lost Object Detection



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Lost Object Detection”.

(5.) Set the Option A, “Detection Level”. The default value is “Level 04”.

(6.) Set the detected area. (See below for details)

(7.) Press the “Save Setting” button to finish this setting.

Set Detected Area

The detected area will be a square frame and should surround the object which needs to be detected.

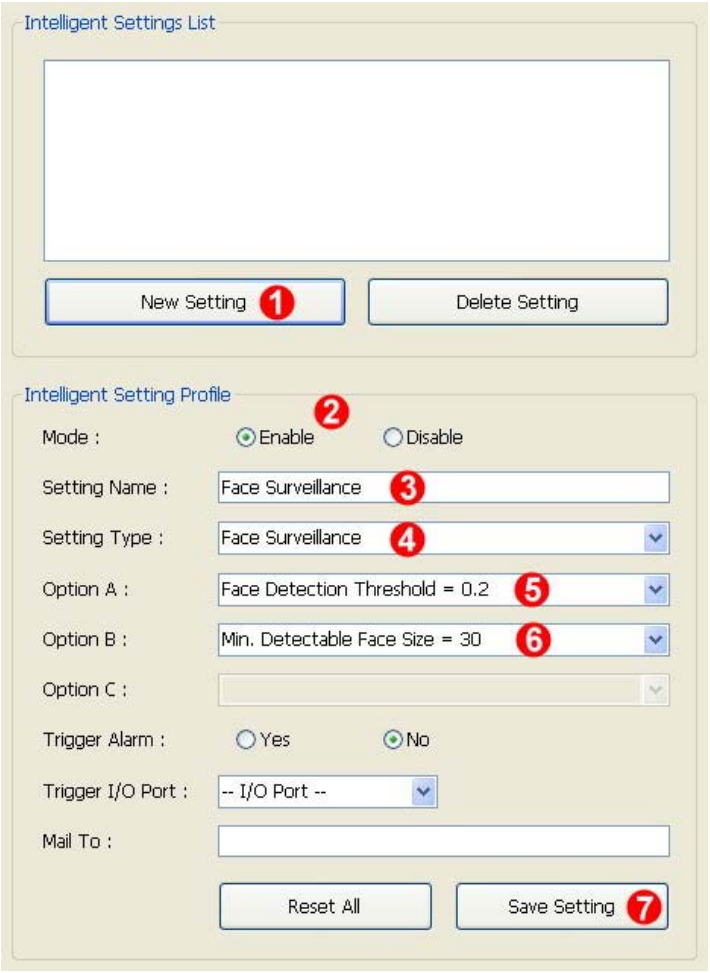
How to set the detected area?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected area.

(B.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish the detected area setting.

(C.) To erase the detected area, just click the mouse right button on the preview box.

Face Surveillance



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

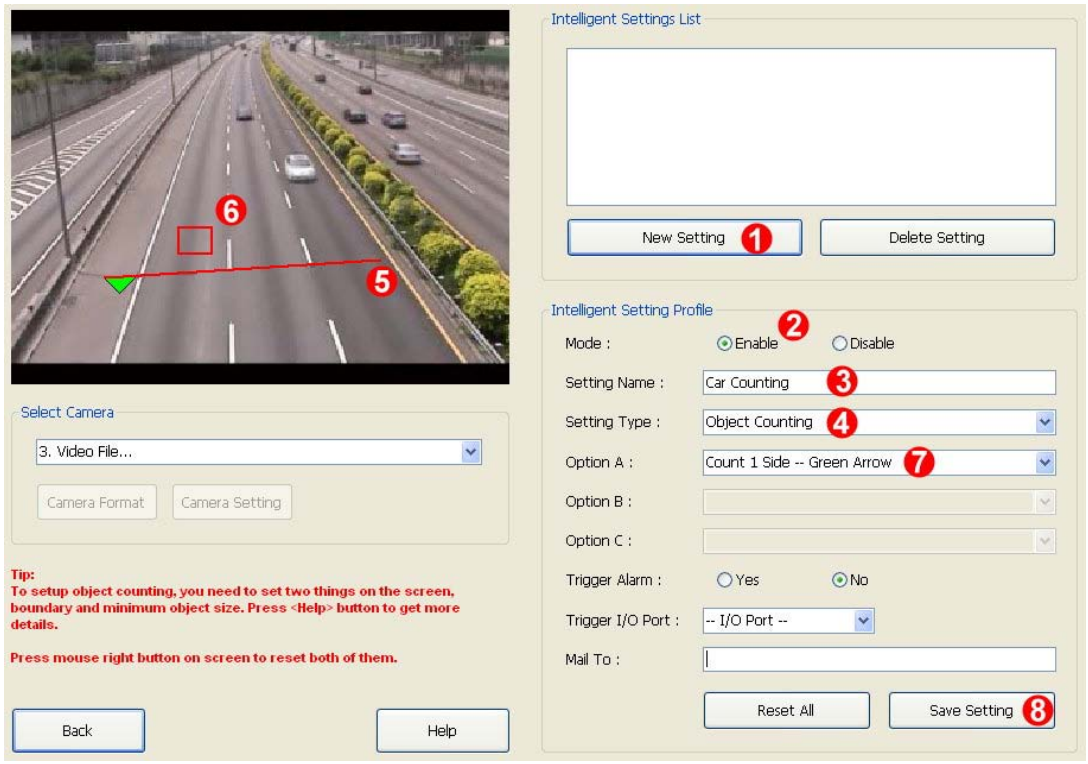
(4.) Select the “Setting Type” to “Face Surveillance”.

(5.) Set the Option A, “Face Detection Threshold”. The default and recommended value is “0.2”.

(6.) Set the Option B, “Minimum Detectable Face Size”.

(7.) Press the “Save Setting” button to finish this setting.

Object Counting



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Object Counting”.

(5.) Set the detected line. (See below for details)

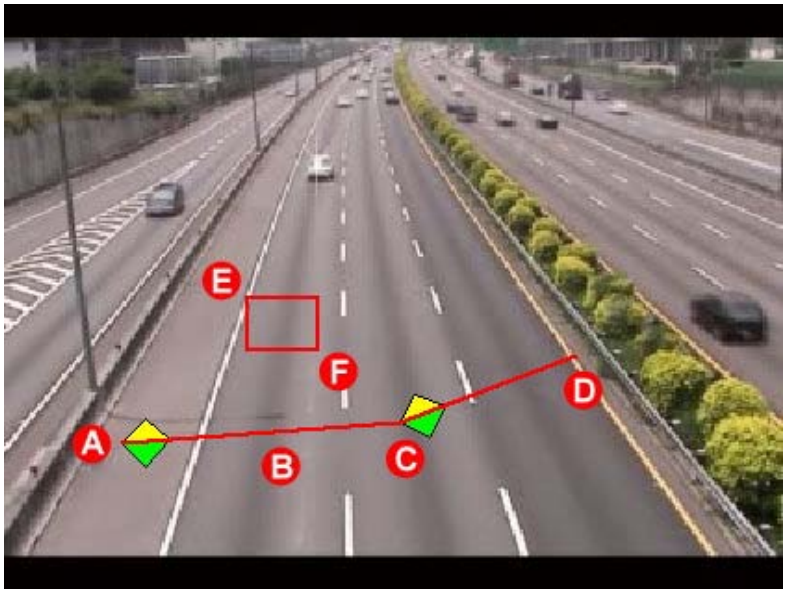
(6.) Set the minimum object size. (See below for details)

(7.) Set the Option A, “Choose the side which needs to do the counting”.

(8.) Press the “Save Setting” button to finish this setting.

Set Detected Line and Minimum Object Size

The detected line can be a series of line segments. For example, the detected line in the below image has two line segments.



How to set the detected line and minimum object size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected line.

(B.) Move the mouse cursor to extend the line.

(C.) Click the mouse left button to finish the first line segment.

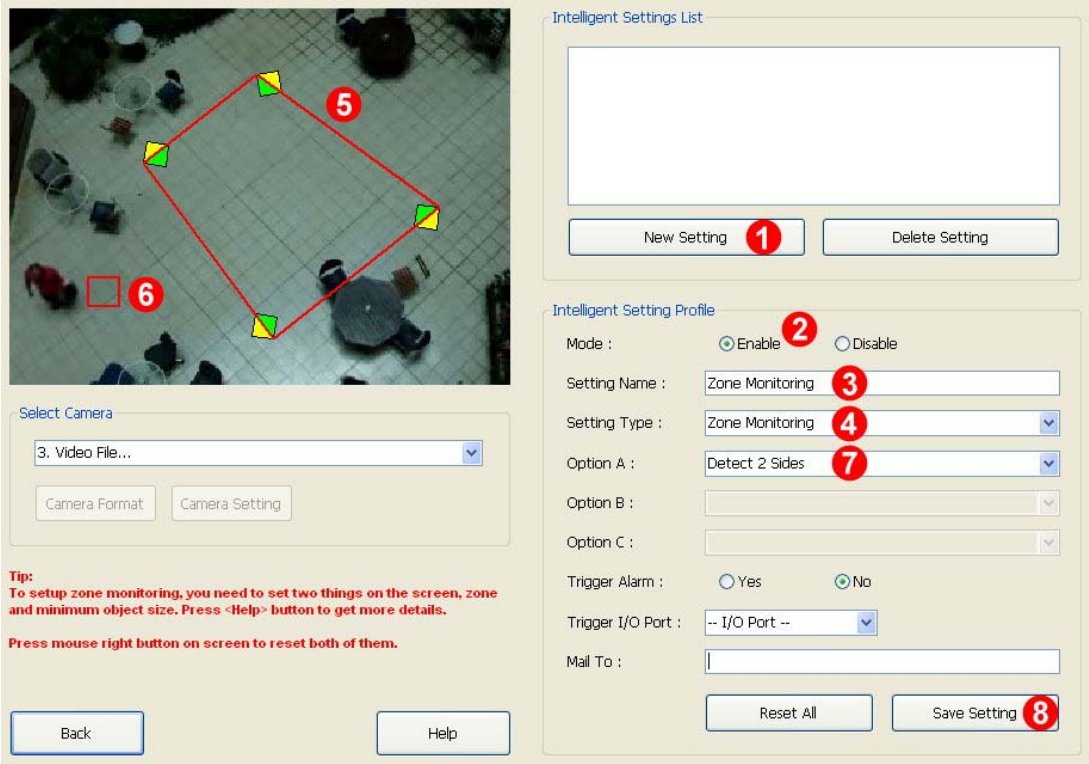
(D.) Move the mouse cursor to extend the second line segment. Click the mouse left button to finish the second line segment. To finish the detected line setting, just double click the mouse left button.

(E.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum object size.

(F.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish setting the minimum object size.

(G.) To erase detected line and minimum object size, just click the mouse right button on the preview box.

Zone Monitoring



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Zone Monitoring”.

(5.) Set the detected area. (See below for details)

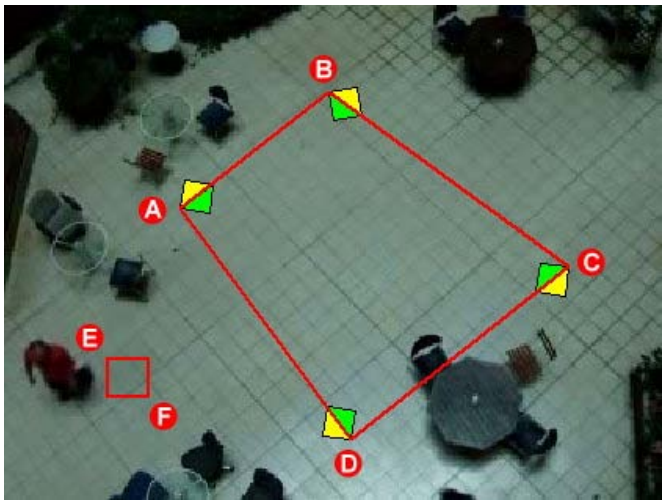
(6.) Set the minimum object size. (See below for details)

(7.) Set the Option A, “Choose the side which needs to do the detection”.

(8.) Press the “Save Setting” button to finish this setting.

Set Detected Area and Minimum Object Size

The detected area can be a series of line segments. For example, the detected area in the below image has four line segments.



How to set the detected area and minimum object size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected area.

(B.) Move the mouse cursor to extend the line. Click the mouse left button to finish the first line segment.

(C.) Move the mouse cursor to extend the line. Click the mouse left button to finish the second line segment.

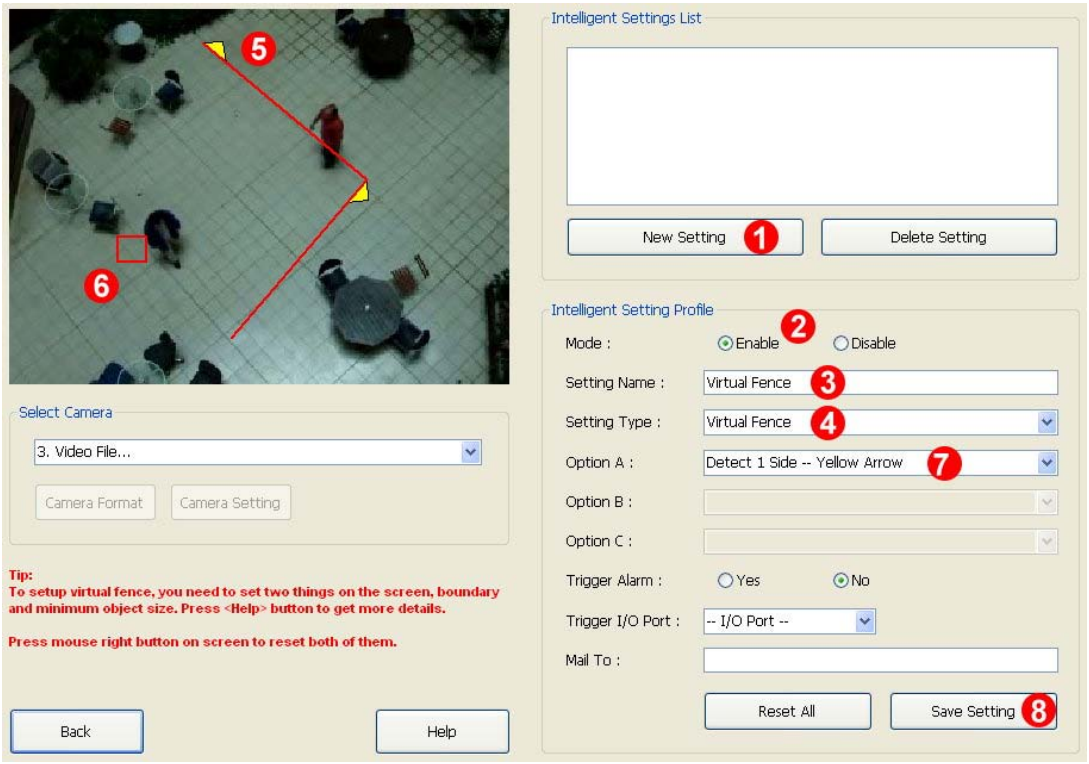
(D.) Move the mouse cursor to extend the line. Click the mouse left button to finish the third line segment. To finish the detected area setting, just double click the mouse left button and the system will add the last line automatically.

(E.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum object size.

(F.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish setting the minimum object size.

(G.) To erase the detected area and minimum object size, just click the mouse right button on the preview box.

Virtual Fence



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Virtual Fence”.

(5.) Set the detected line. (See below for details)

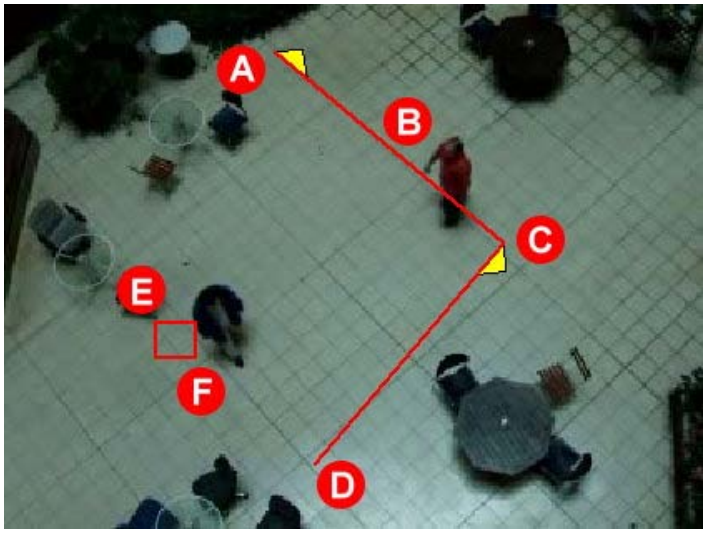
(6.) Set the minimum object size. (See below for details)

(7.) Set the Option A, “Choose the side which needs to do the detection”.

(8.) Press the “Save Setting” button to finish this setting.

Set Detected Line and Minimum Object Size

The detected line can be a series of line segments. For example, the detected line in the below image has two line segments.



How to set the detected line and minimum object size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected line.

(B.) Move the mouse cursor to extend the line.

(C.) Click the mouse left button to finish the first line segment.

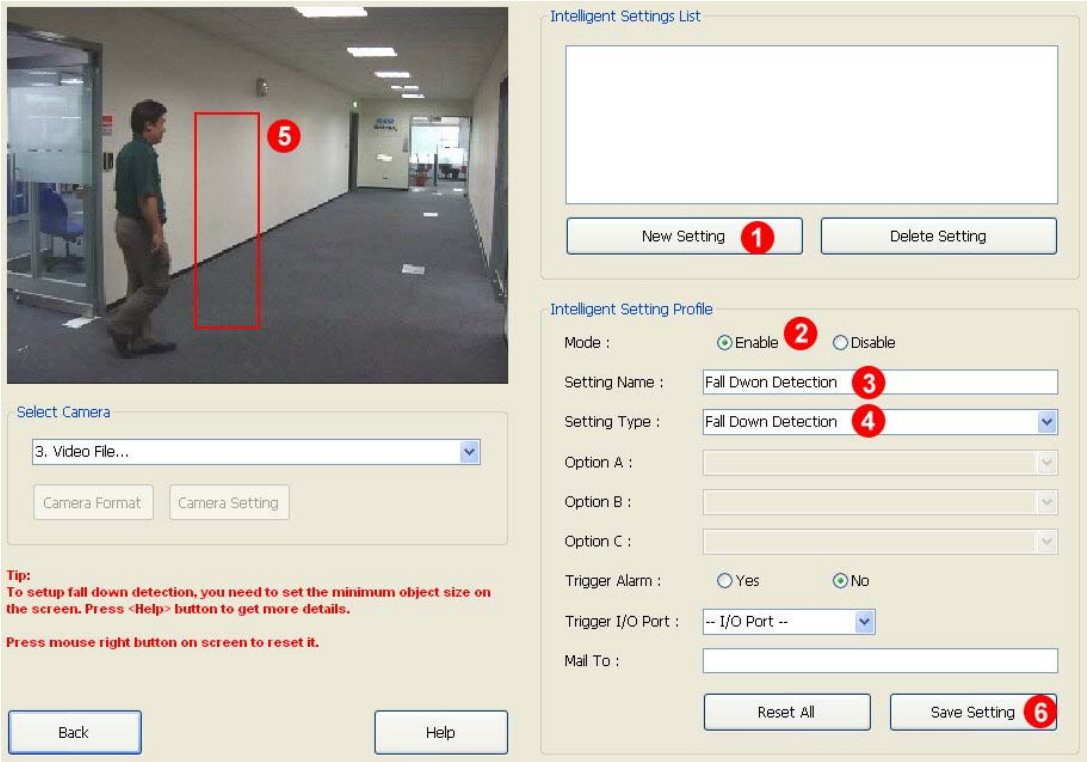
(D.) Move the mouse cursor to extend the second line segment. Click the mouse left button to finish the second line segment. To finish the detected line setting, just double click the mouse left button.

(E.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum object size.

(F.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish setting the minimum object size.

(G.) To erase the detected line and minimum object size, just click the mouse right button on the preview box.

Fall Down Detection



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

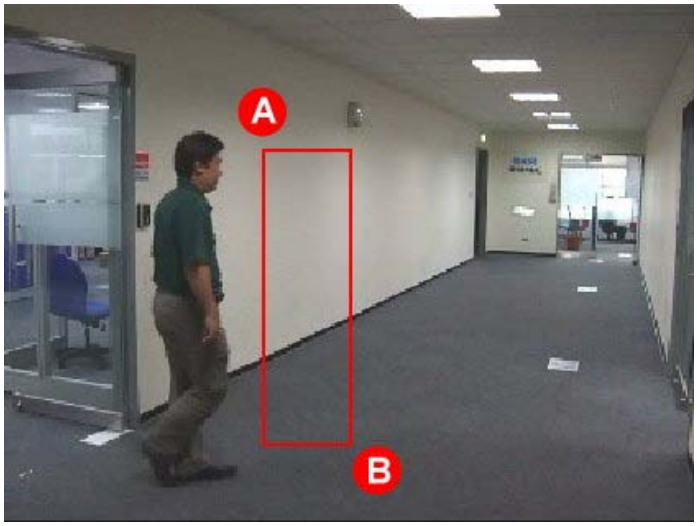
(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Fall Down Detection”.

(5.) Set the minimum human size. (See below for details)

(6.) Press the “Save Setting” button to finish this setting.

Set Minimum Human Size



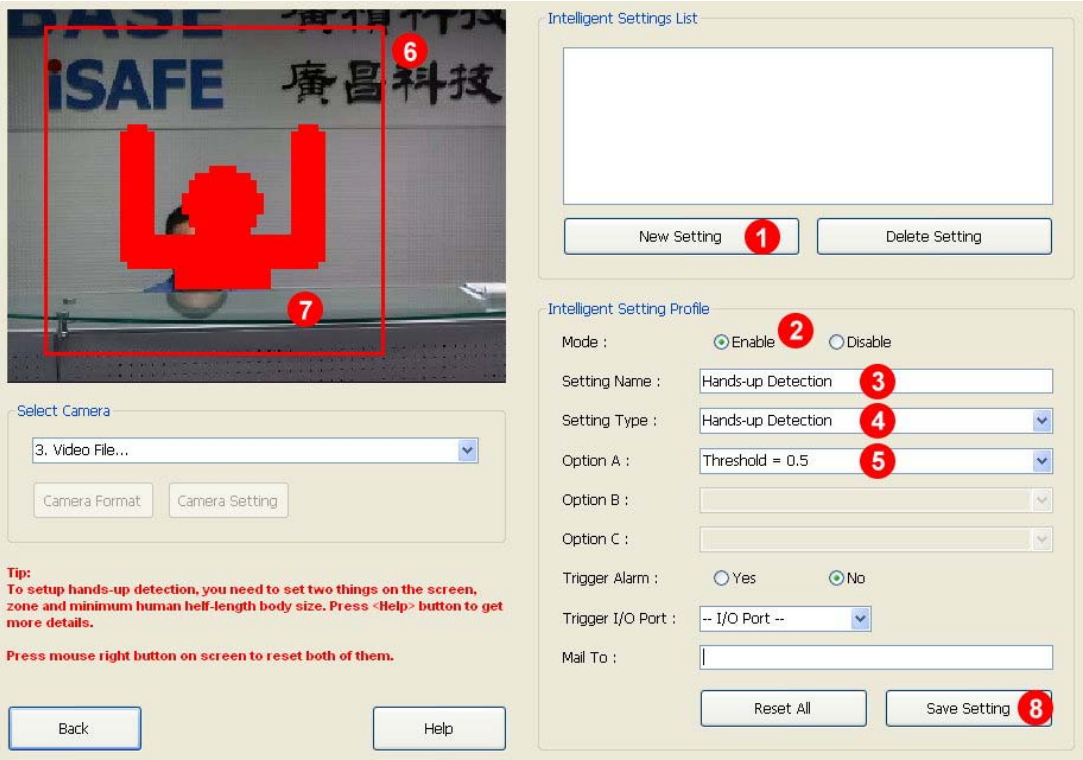
How to set the minimum human size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum human size.

(B.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish setting the minimum human size.

(C.) To erase the minimum human size, just click the mouse right button on the preview box.

Hands-up Detection



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Hands-up Detection”.

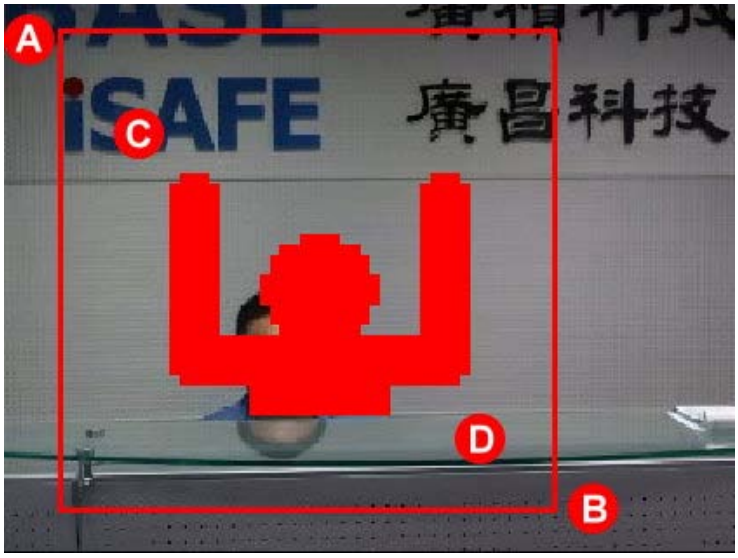
(5.) Set the Option A, “Detection Threshold”. The default and recommended value is “0.5”.

(6.) Set the detected area. (See below for details)

(7.) Set the minimum object size. (See below for details)

(8.) Press the “Save Setting” button to finish this setting.

Set Detected Area and Minimum Object Size



How to set the detected area and minimum object size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected area.

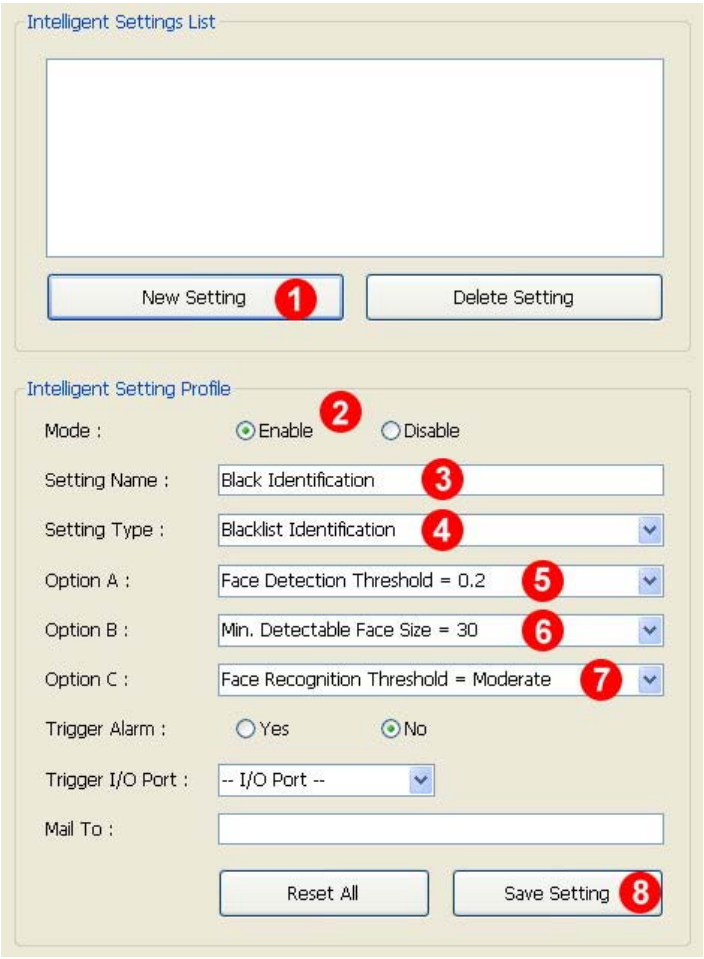
(B.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish the detected area setting.

(C.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum object size.

(D.) Move the mouse cursor to extend the red hands-up symbol. Click the mouse left button to finish the minimum object size setting.

(E.) To erase detected area and minimum object size, just click the mouse right button on the preview box.

Blacklist Identification



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Blacklist Identification”.

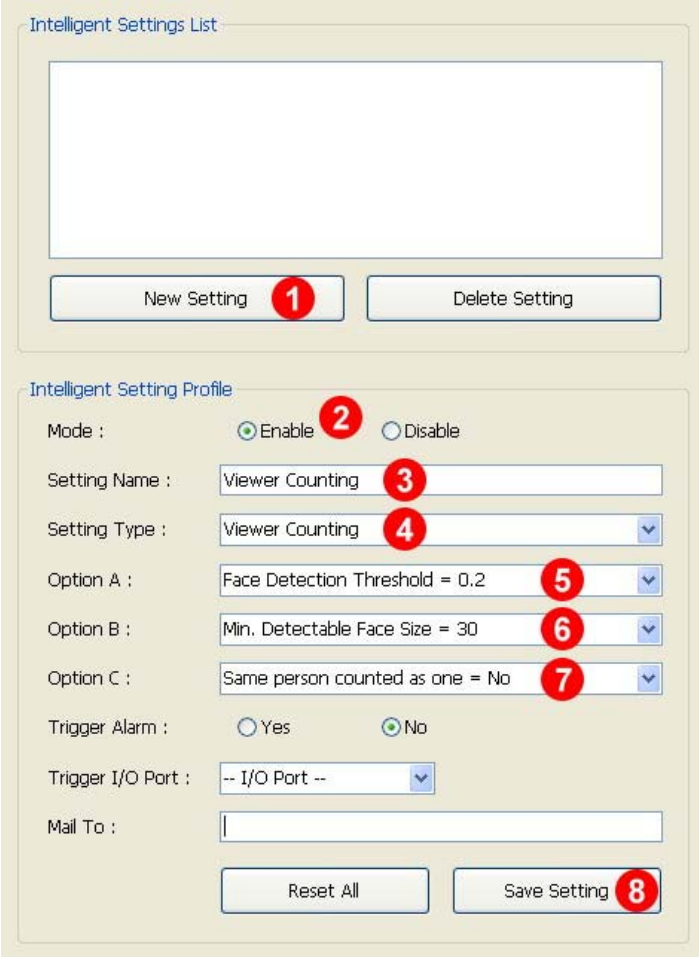
(5.) Set the Option A, “Face Detection Threshold”. The default and recommended value is “0.2”.

(6.) Set the Option B, “Minimum Detectable Face Size”.

(7.) Set the Option C, “Face Recognition Threshold”. The default value is “Moderate”.

(8.) Press the “Save Setting” button to finish this setting.

Viewer Counting



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Viewer Counting”.

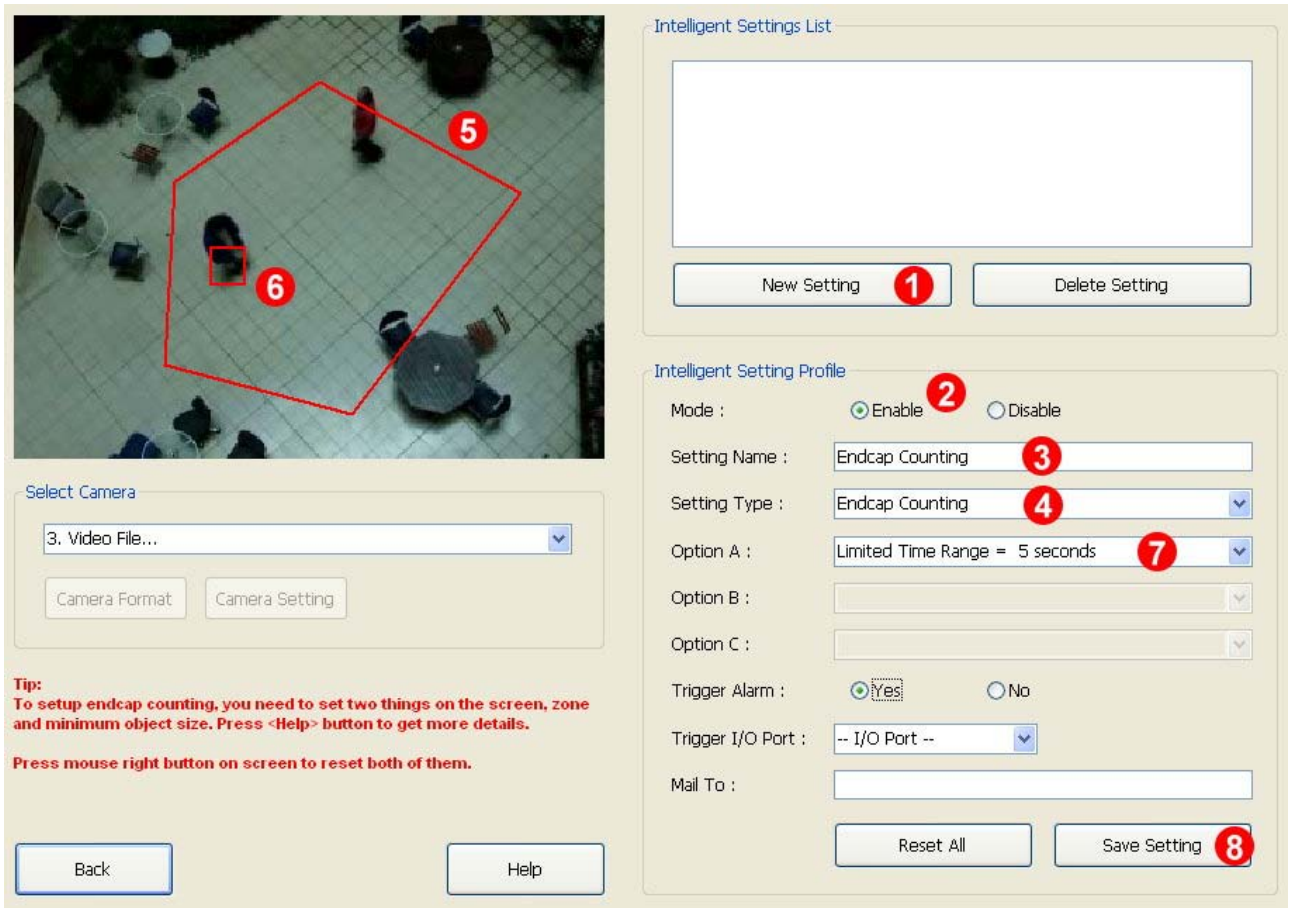
(5.) Set the Option A, “Face Detection Threshold”. The default and recommended value is “0.2”.

(6.) Set the Option B, “Minimum Detectable Face Size”.

(7.) Set the Option C, “Same person counted as one”. The default value is ”No”.

(8.) Press the “Save Setting” button to finish this setting.

Endcap Counting



(1.) Press the “New Setting” button.

(2.) Set “Mode” option to “Enable”.

(3.) Enter the “Setting Name”.

(4.) Select the “Setting Type” to “Endcap Counting”.

(5.) Set the detected area. (See below for details)

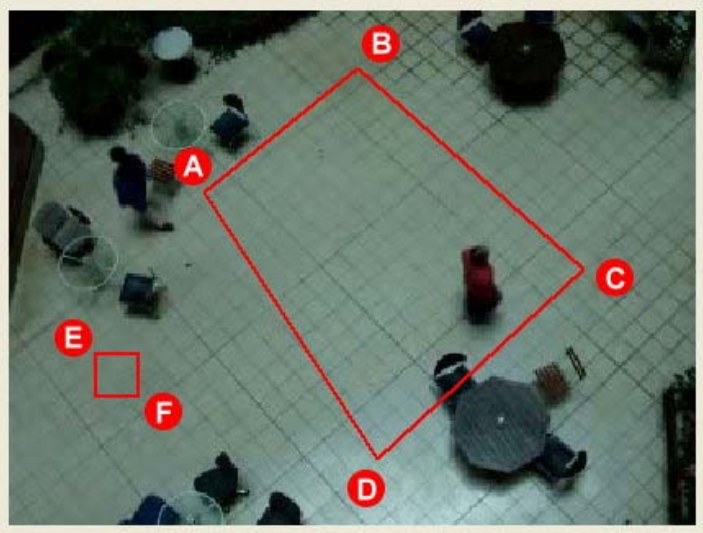
(6.) Set the minimum object size. (See below for details)

(7.) Set the Option A, “Limited Time Range”.

(8.) Press the “Save Setting” button to finish this setting.

Set Detected Area and Minimum Object Size

The detected area can be a series of line segments. For example, the detected area in the below image has four line segments.



How to set the detected area and minimum object size?

(A.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the detected area.

(B.) Move the mouse cursor to extend the line. Click the mouse left button to finish the first line segment.

(C.) Move the mouse cursor to extend the line. Click the mouse left button to finish the second line segment.

(D.) Move the mouse cursor to extend the line. Click the mouse left button to finish the third line segment. To finish the detected area setting, just double click the mouse left button and the system will add the last line automatically.

(E.) Move the mouse cursor on the preview box. Click the mouse left button to begin setting the minimum object size.

(F.) Move the mouse cursor to extend the red square frame. Click the mouse left button to finish setting the minimum object size.

(G.) To erase the detected area and minimum object size, just click the mouse right button on the preview box.