TECHNICAL BULLETIN

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Title:	How To Configure Counting and Heat Map		**Version:**	v1.0	**Date:**	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C				**Page:**	1 of 11
Action Required:	None, Information Only					

■ **Summary**

This document is a quick guide on how to configure counting and heat map analytics and how to view them in Hikvision iVMS-4200 management software.

> **NOTE:** Counting and heat map analytics are helpful to get a general idea of traffic within an area for specific time ranges, but Hikvision does not guarantee 100 percent accuracy for any of the analytics outlined in this document.

■ **Counting**

There are two types of counting available, "Counting" and "People Counting." The distinction is:

- **Counting**

  - Basic counting for low traffic areas

  - Simple line crossing detection

  - No adjustment for camera height, etc.

  - Available on Hikvision professional series cameras

  - Models: 4xx2/4xx4//4xx5/4xx6

  - Firmware required: v5.3.0, build 150304 (or higher)

- **People Counting**

  - More advance functionality in terms of optional configurations

  - Specifically designed for people counting for higher traffic areas

  - Available only on specialized IDS cameras:

    > IDS-2CD6124FWD-I(Z)/C

      * "C" at the end indicates **c**ounting
      * FW: v5.1.7 and above

    > IDS-2CD6412FWD-I(Z)/C

      * "C" at the end indicates counting
      * FW: v5.3.2 and above

TECHNICAL BULLETIN

- **Configuring Counting**

  This document will focus just on configuring "counting" on professional series cameras

  1. Ensure you have the proper firmware v5.3.0 build 150304 (or higher) <u>Link</u>

     NOTE: To have counting statistics, either a microSD card must be used installed in the camera or NAS storage must be configured directly to the camera.

     Camera must be installed overhead and pointing straight down for best results.
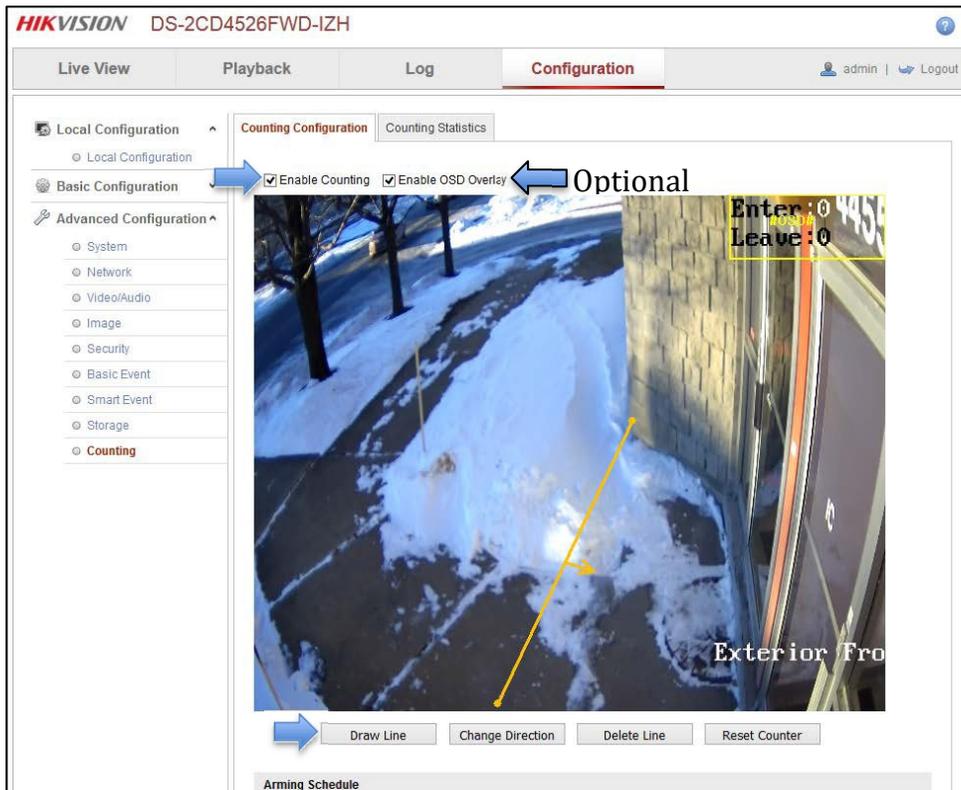
  2. Log on to the camera using a Web browser.

Figure 1, Configuration > Counting > Counting Configuration

  3. On the Counting tab in the Advanced Configuration section:

     a. Check the Enable Counting checkbox.

     b. Optional: Check the Enable OSD Overlay checkbox to view "count" overlaid on camera image.

     c. Draw line to be crossed to trigger a "count," and set "entry" direction.

TECHNICAL BULLETIN

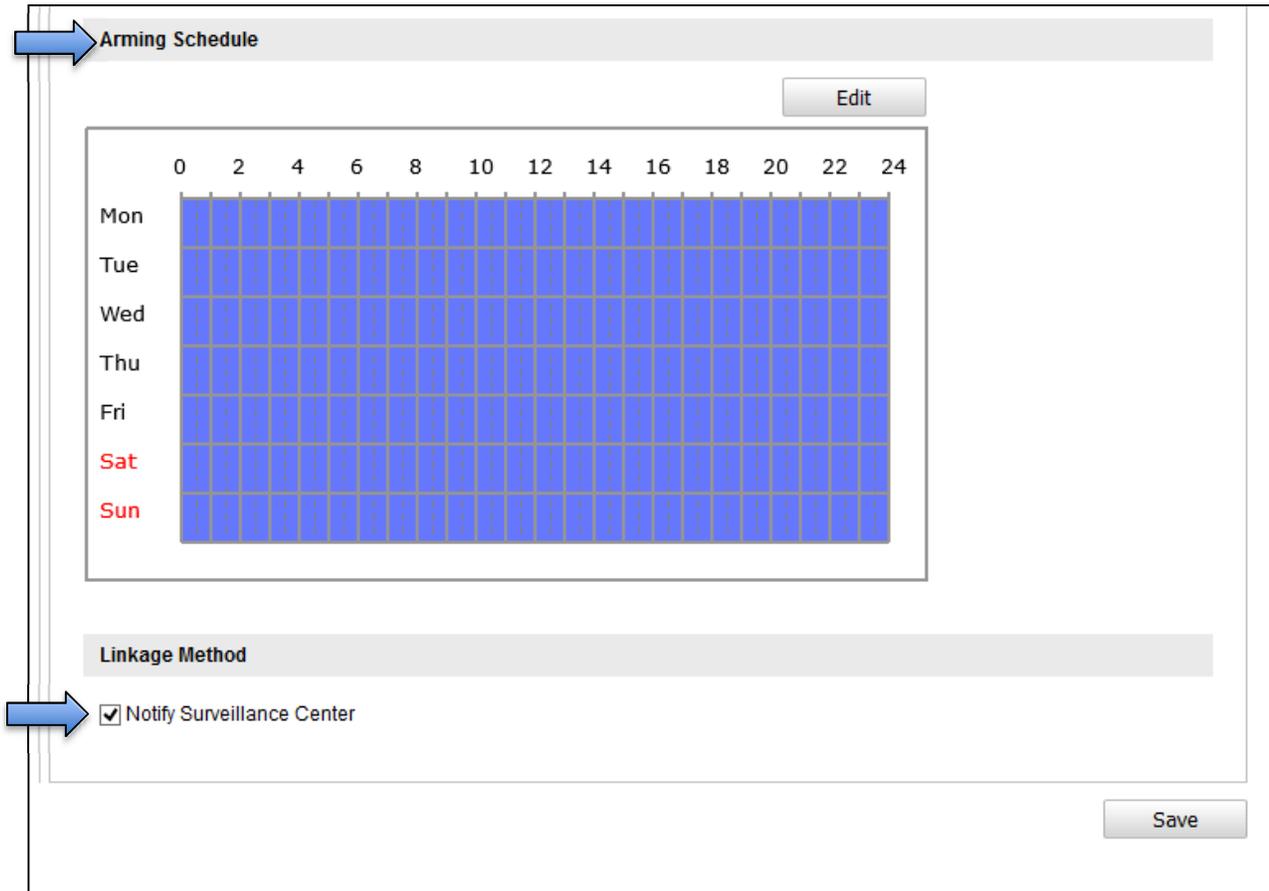4. Scroll down to finish the configuration.

Figure 2, Arming Schedule

5. Set the arming schedule to indicate when counting should be enabled.

6. Check the Notify Surveillance Center checkbox to send information to the iVMS-4200.

7. Press the Save button.

• **To View Events in the iVMS-4200 Application**

1. Start the iVMS-4200 application.

2. Go to the Control Panel.

3. Click the page navigation dot to go to the next page (see Figure 3).

Title:	How To Configure Counting and Heat Map		Version:	v1.0	Date:	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C				Page:	4 of 11
Action Required:	None, Information Only					

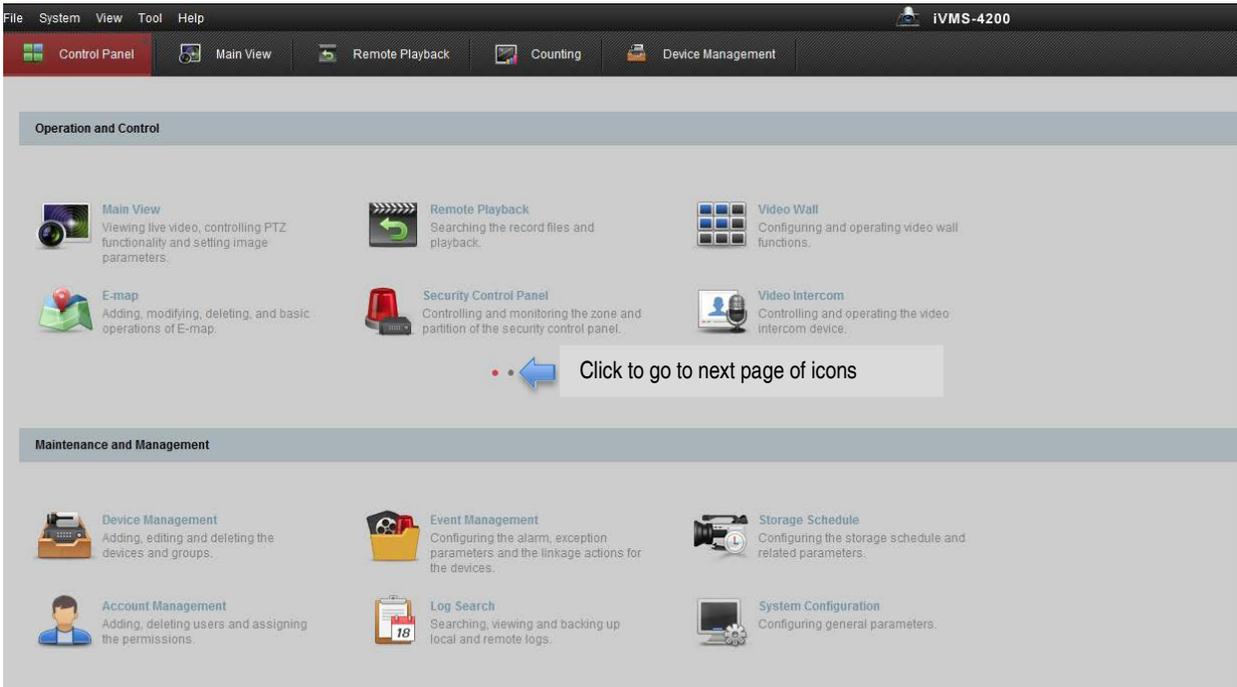4. Click on the Statistics icon to display the Statistics pop-up window (Figure 4).

Figure 3, iVMS Control Panel

5. Check the Counting checkbox.

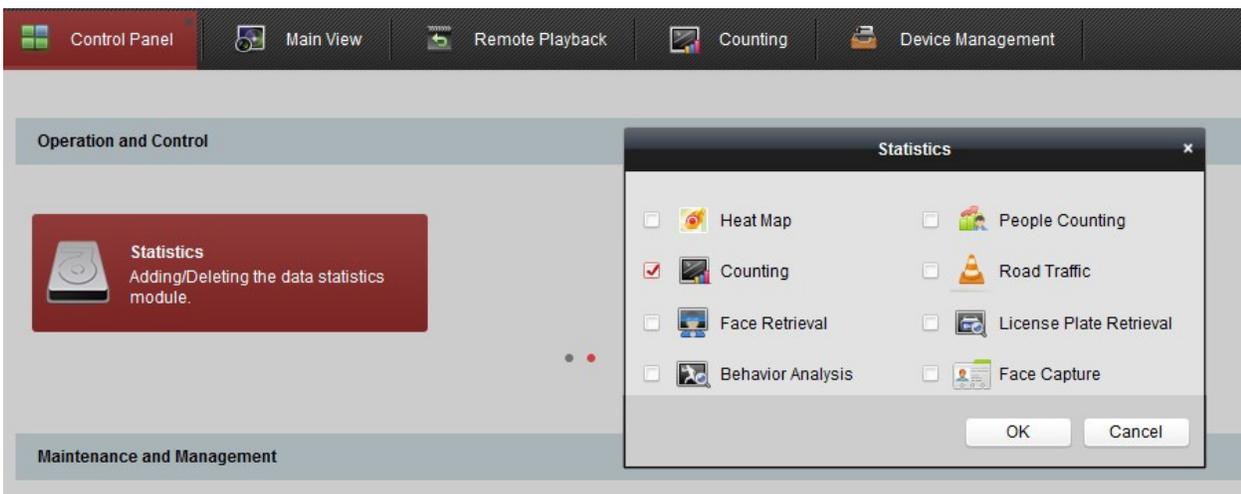6. Click OK to add the Counting icon to the page.

Figure 4, Statistics Window

Title:	How To Configure Counting and Heat Map	Version:	v1.0	Date:	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C			Page:	5 of 11
Action Required:	None, Information Only				

7. Click on the Counting icon.

8. Check desired camera's checkbox to select it and view the statistics for the camera (Figure 5).

> **NOTE:** IP cameras must be brought directly into the iVMS-4200; they will not work if brought in solely through the NVR.
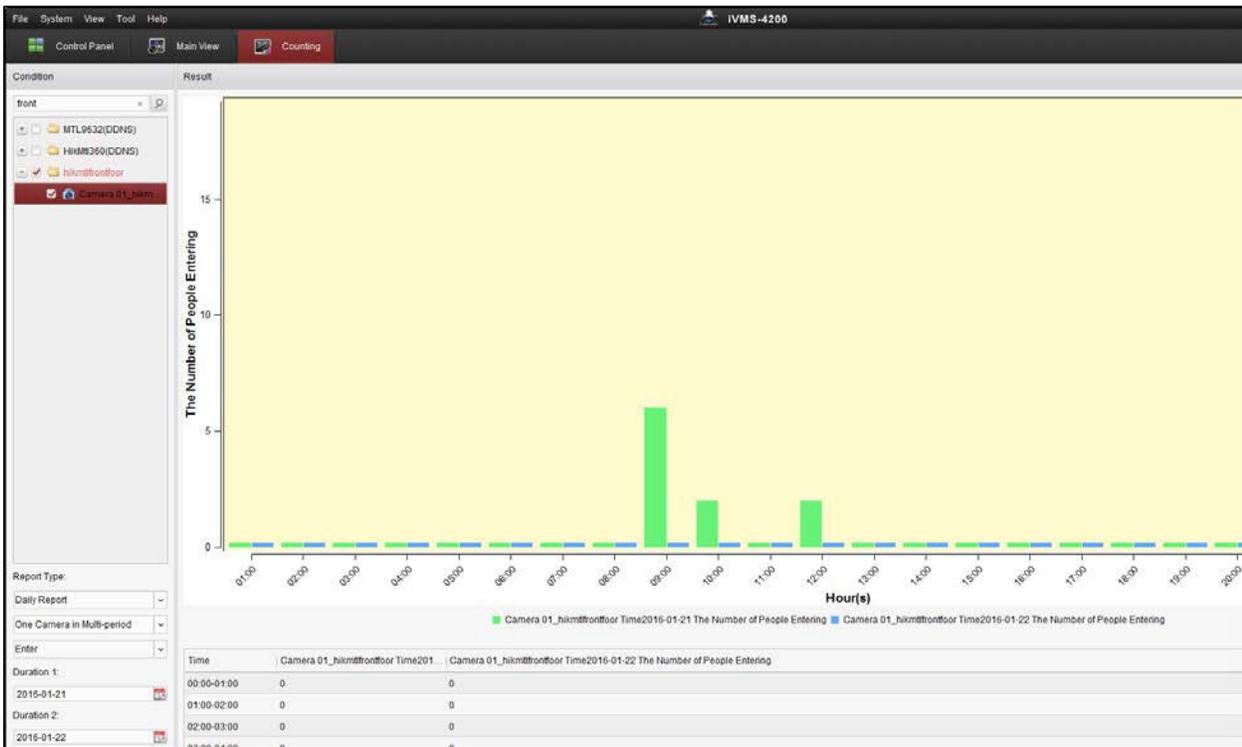

Figure 5, Counting Statistics

■ **Heat Map**
Heat map provides statistics of areas in the field of view where people are congregating. It can be used to help manage traffic flow, congestion, etc.

> **NOTE:** Although it is a useful tool, Hikvision does not guarantee 100 percent accuracy of heat map.

• **Compatible Cameras** – This feature is available in 6 Series Fisheye cameras:

  – DS-2CD6332FWD-I(V)(S)

Title:	How To Configure Counting and Heat Map	**Version:**	v1.0	**Date:**	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C			**Page:**	6 of 11
Action Required:	None, Information Only				

> Firmware required: v5.3.5

– DS-2CD6362F-I(V)(S)

> Firmware required: v5.3.5

NOTE: When upgrading DS-2CD6332 and DS-2CD6362 from v5.0.9 to v5.3.5, they need to be upgraded to an interim version first. Old versions of DS-2CD63C2 can be directly upgraded to v5.3.5.

• **Configuring Heat Map**

1. Ensure you have the proper firmware v5.3.5. (or higher) Link

   NOTE: To have heat map statistics, either a microSD card must be used installed in the camera or NAS storage must be configured directly to the camera.

2. Log on to the camera using a Web browser.

3. Go to Configuration > Heat Map Configuration.

4. Check the Enable Heat Map checkbox (Figure 6).

5. Click on the Linkage tab.

6. Check the "Notify Surveillance Center" checkbox (Figure 7).

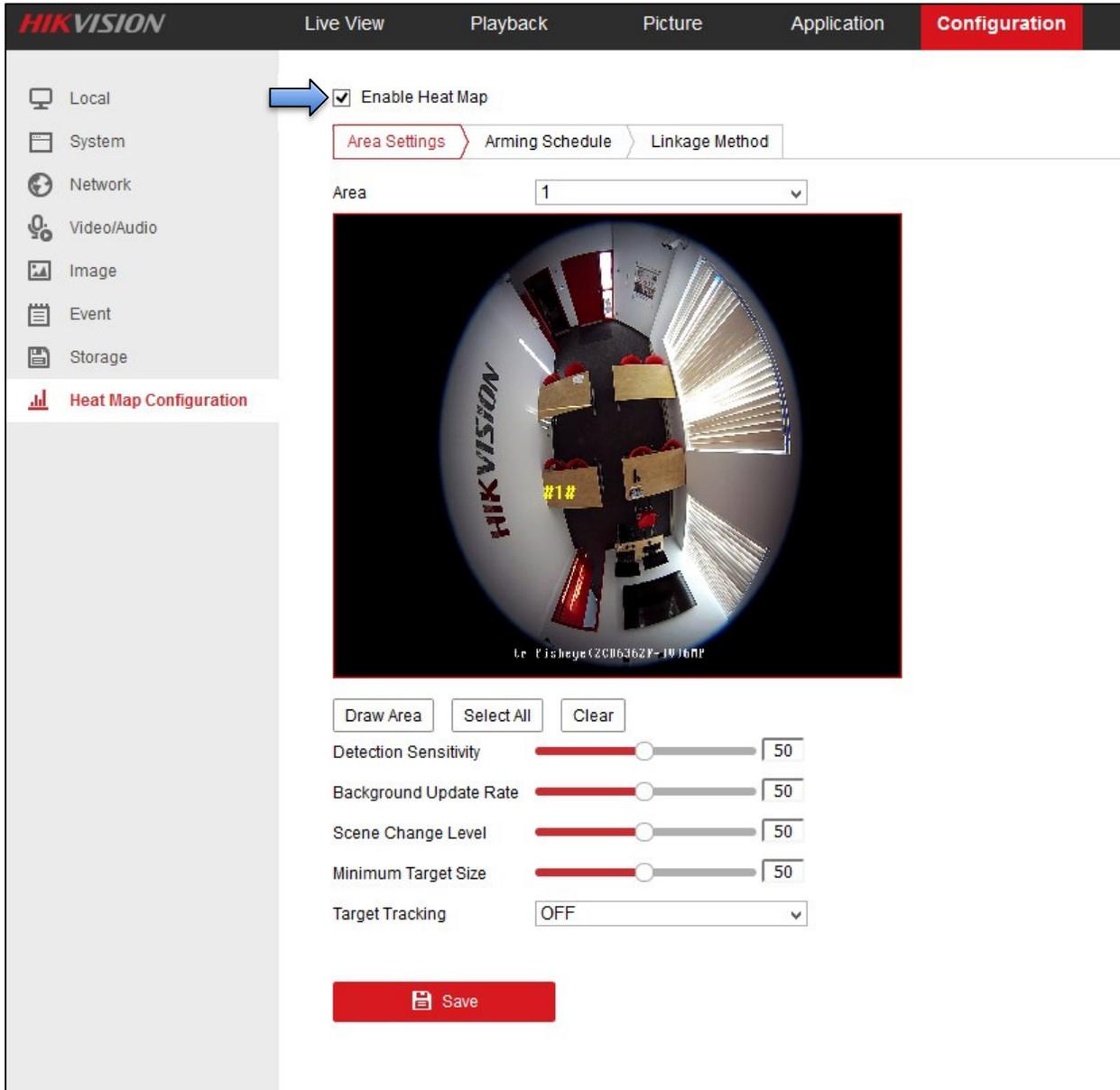# TECHNICAL BULLETIN

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Figure 6, Configuration > Heat Map Configuration > Area Settings

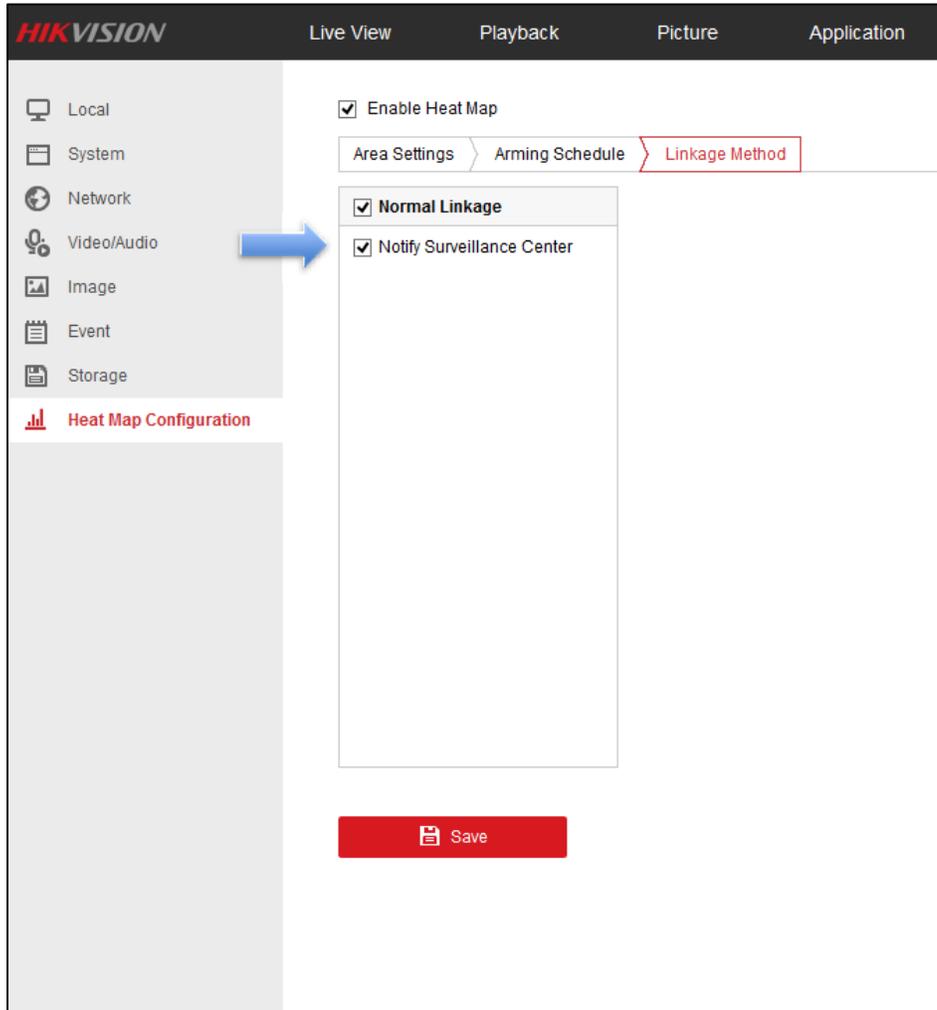| Title:	How To Configure Counting and Heat Map		Version:	v1.0	Date:	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C				Page:	8 of 11
Action Required:	None, Information Only					

Figure 7, Configuration > Heat Map Configuration > Linkage Method

- **To View Heat Map Events in the iVMS-4200 Application**

1. Start the iVMS-4200 application.

2. Go to the Control Panel.

3. Click the page navigation dot to go to the next page (see Figure 8).

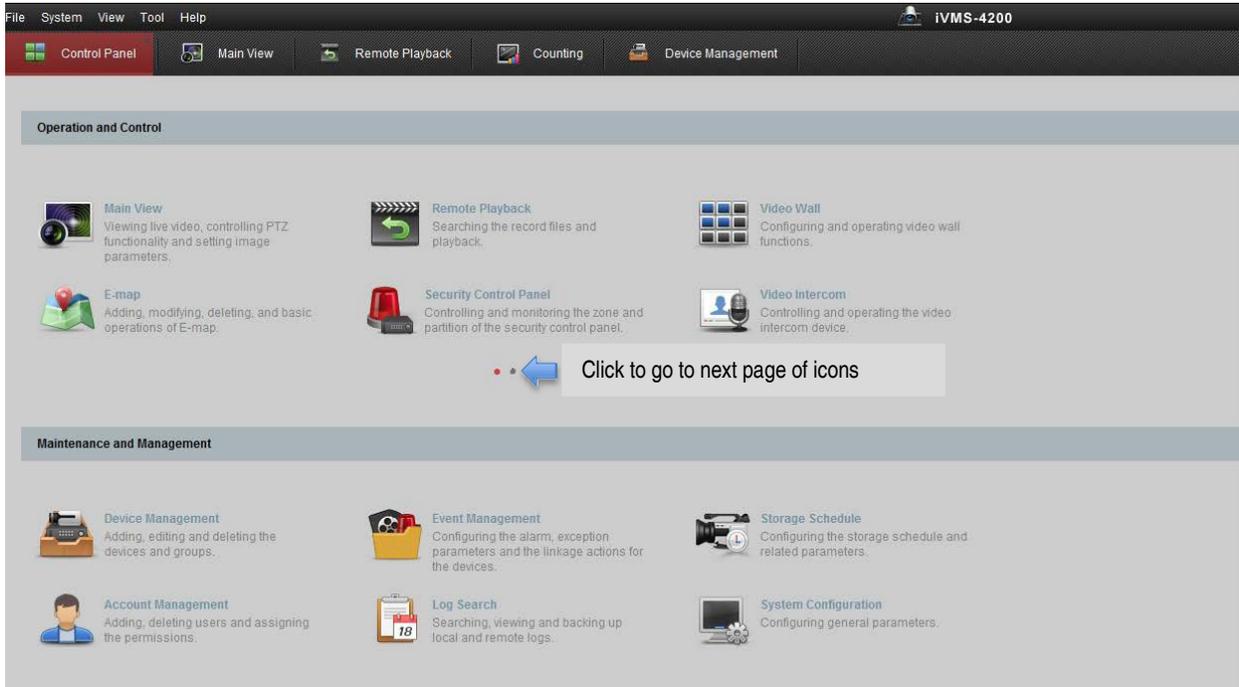| Title:	How To Configure Counting and Heat Map	Version:	v1.0	Date:	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C	Page:	9 of 11		
Action Required:	None, Information Only				

Figure 8, iVMS-4200 Control Panel

4. Click on the statistics icon (Figure 9) to display the Edit Function pop-up window (Figure ??).

5. Check the Heat Map checkbox.

6. Click OK to add the Heat Map icon to the page.

7. Click on the Heat Map icon.

8. Check desired camera's checkbox to select it and view the heat map statistics for the camera (Figure 10) or an overview (Figure 11).
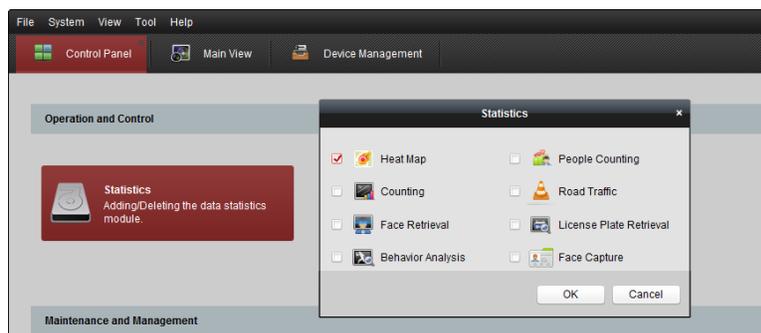

Figure 9, Statistics Window

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Title:	How To Configure Counting and Heat Map	**Version:**	v1.0	**Date:**	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C			**Page:**	10 of 11
Action Required:	None, Information Only				

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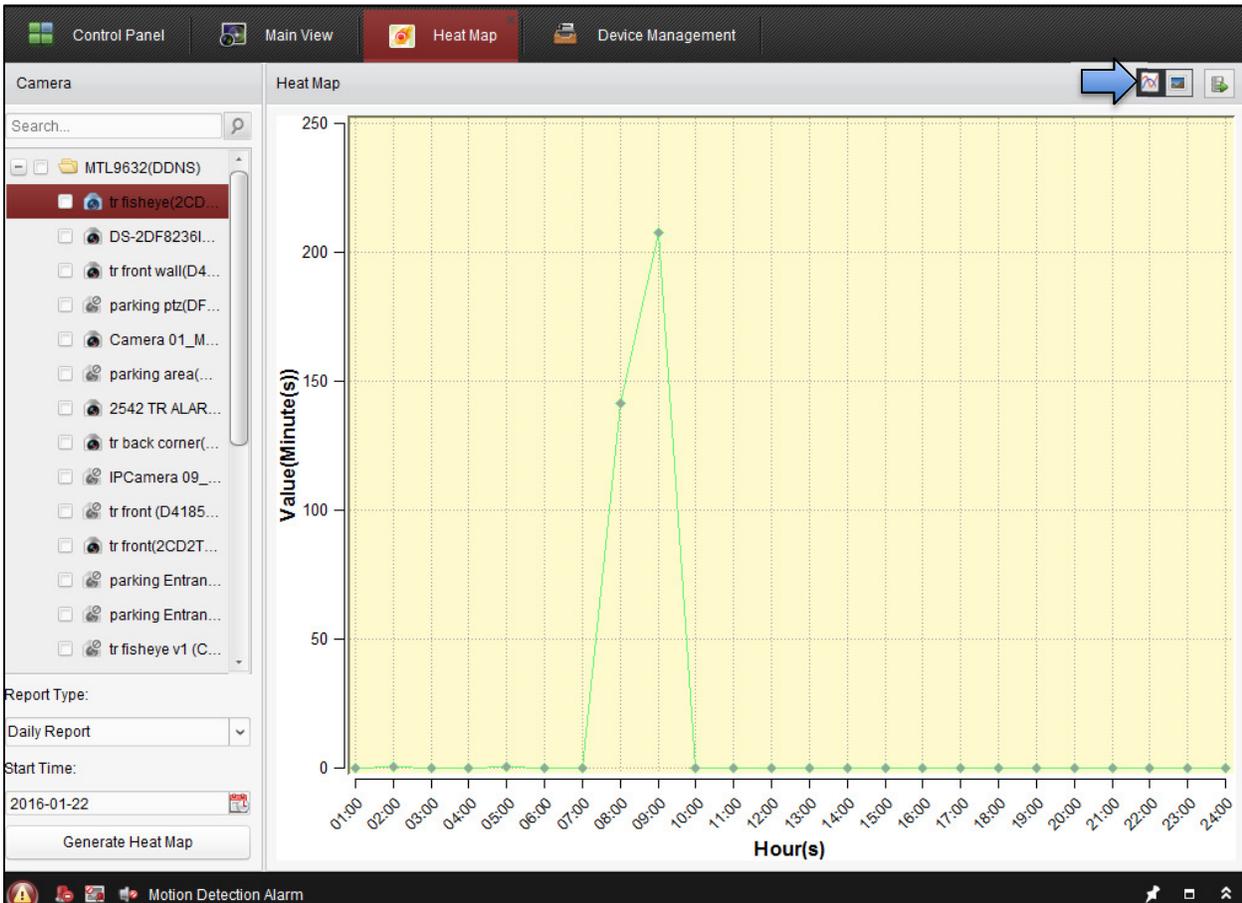

Figure 10, Heat Map Statistics

TECHNICAL BULLETIN

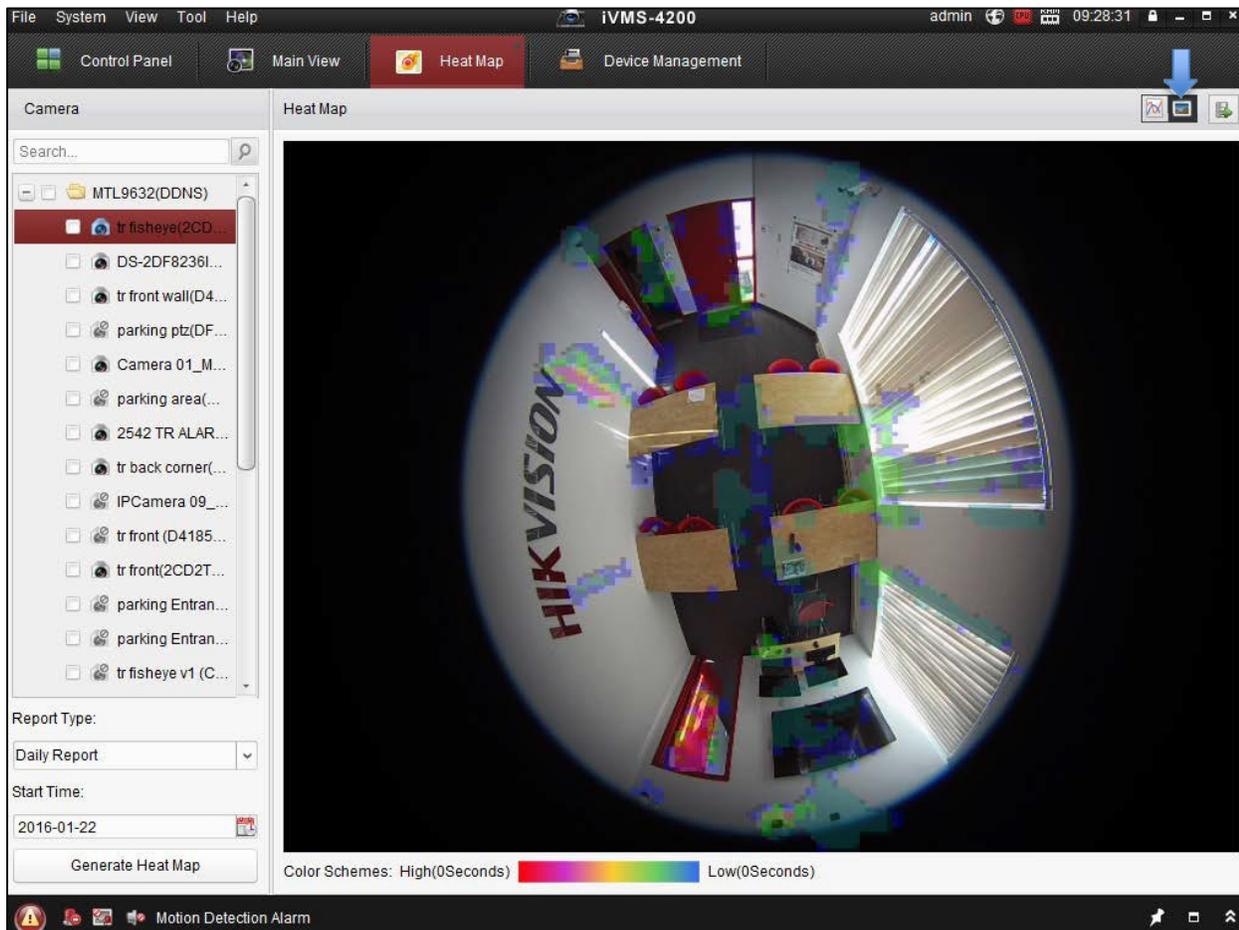| Title:	How To Configure Counting and Heat Map	Version:	v1.0	Date:	062916
Product:	4xx2/4xx4/4xx5/4xx6/IDS-2CD6124FWD-I(Z)/C/ IDS-2CD6412FWD-I(Z)/C			Page:	11 of 11
Action Required:	None, Information Only				

Figure 11, Heat Map Overview

9