



Event-Triggered Snapshot Recording in SD Card

User Guide

V 1.0.0



HIKVISION Europe B.V.

www.hikvisioneurope.com/portal


Event-Triggered Snapshot Recording

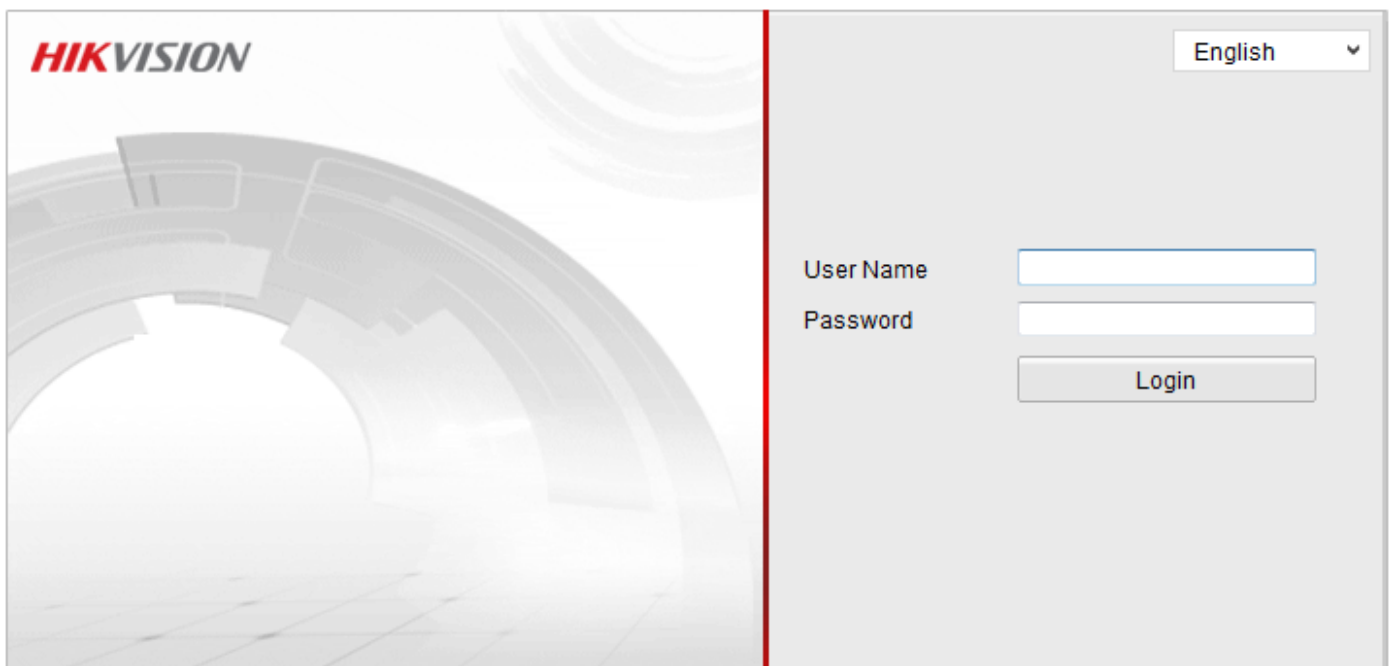
Connect your device (IP Camera) through IE Internet Explorer; make sure both camera and PC or laptop has the same network range.

Tools can be used to ensure device IP address:

- SADP Tools
- iVMS4200

Both applications are available to download for free on our website www.hikvision.com.

1.  to the camera's IP address using IE (Internet Explorer) as shown above as an example. Once successful, login menu will prompt. Input device User Name and Password and click Login button to proceed.



The screenshot shows the Hikvision login interface. On the left, there is a large graphic of a camera lens with the 'HIKVISION' logo in red. On the right, there is a login form with a language dropdown menu set to 'English'. The form contains two input fields: 'User Name' and 'Password', followed by a 'Login' button.

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Following procedure must be completed for Snapshot on Event-Triggered:

- 1). Synchronize the device time with computer.
- 2). Format the SD Card
- 2). Setup camera Events parameter (Motion Detection).
- 3). Enable Event-Triggered Snapshot

To apply the steps doesn't have to be in sequence.

Synchronize Device Time

Synchronizing device time is to avoid capture playback mishandled from recorder file in SD Card.

Go to main header tab and select **Configuration**, choose *Basic Configuration* located in your left hand side corner and with bullet style selection select *System*. You will see three (3) tabs under *System*, please select *Time Settings*.

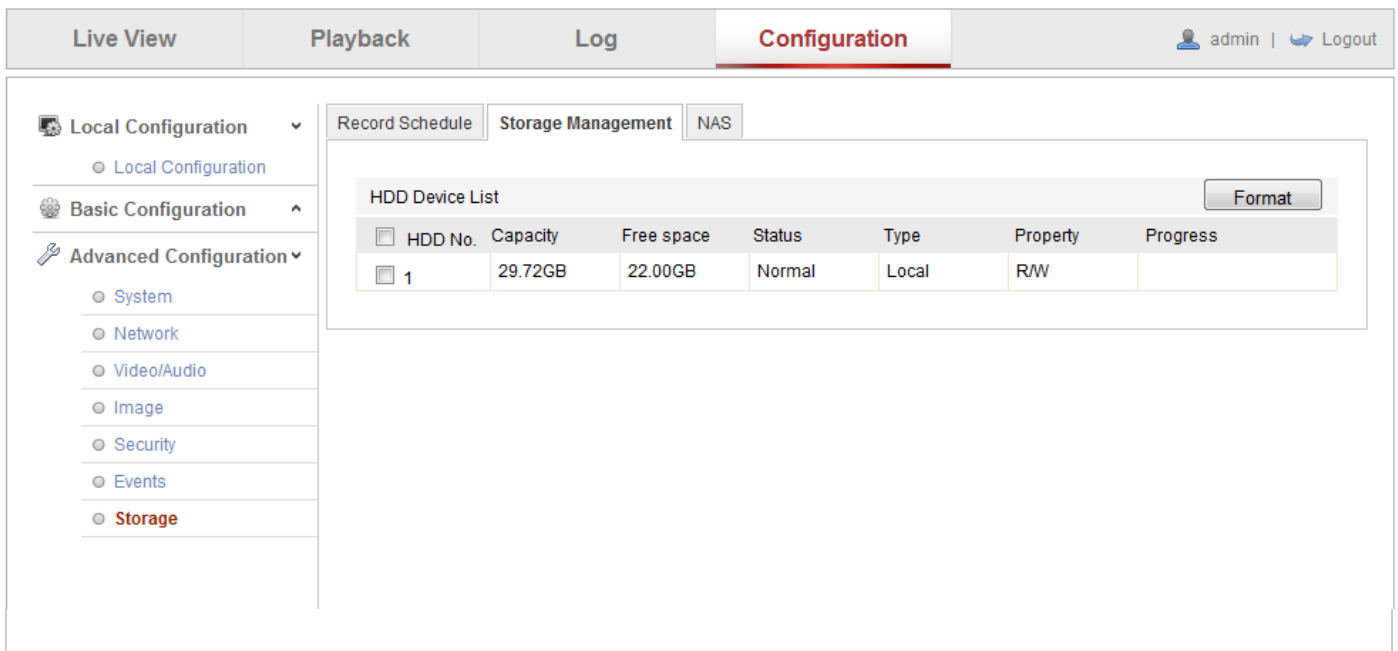
The screenshot shows the Hikvision configuration interface. At the top, there are tabs for 'Live View', 'Playback', 'Log', and 'Configuration'. The 'Configuration' tab is active. On the right side of the top bar, there is a user profile 'admin' and a 'Logout' button. On the left side, there is a navigation menu with 'Local Configuration', 'Basic Configuration', and 'Advanced Configuration'. Under 'Basic Configuration', 'System' is selected. The main content area has three tabs: 'Device Information', 'Time Settings', and 'Maintenance'. The 'Time Settings' tab is active. It contains the following fields: 'Time Zone' (dropdown menu showing '(GMT+02:00) Athens, Jerusalem, Istanbul'), 'Time Sync.' section with 'NTP' selected, 'Server Address' (text input 'time.windows.com'), 'NTP Port' (text input '123'), 'Interval' (text input '1440' with 'min.' label), 'Manual Time Sync.' section with 'Device Time' (text input '2013-07-29T14:26:49') and 'Set Time' (text input '2013-07-29T14:26:20' with a calendar icon). A checkbox labeled 'Sync. with computer time' is checked and highlighted with a red box. A 'Save' button is located at the bottom right of the configuration area.

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2. Enable the **Sync. with computer time**. Device Time and Set Time should be the same by its seconds. You may have to click Save two times (2x) if both parameters time are not properly sync, also make sure of having the Time Zone in your proper region as well.

Format SD Card

3. Format the SD card on your IP camera. Go to Configuration > Advance Configuration > Storage. You will see three (3) tabs under *Storage*, please select *Storage Management*.

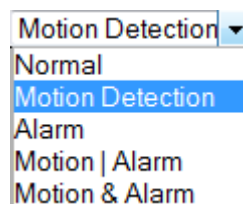


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4. Place a checkmark on the SD card to select then click Format.
5. Once formatting is completed, go to Record Schedule in the first tab. Enable Record Schedule and click Edit button.

NOTE:

In Record Schedule setup window, you can define what types of events you will assign for recording. The common event used in snapshot triggered recording is “Motion Detection”.



Record Schedule Setup

The screenshot shows the 'Configuration' page with the 'Record Schedule' tab selected. Under 'Record Schedule', 'Pre-record' and 'Post-record' are both set to '5s'. The 'Enable Record Schedule' checkbox is checked and highlighted with a red box. Below it is a 24-hour grid for each day of the week (Mon-Sun). The grid is currently filled with green, indicating 'Motion Detection' is selected for all days and times. To the right of the grid is a legend with color-coded boxes: Normal (blue), Motion Detection (green), Alarm (red), Motion | Alarm (orange), Motion & Alarm (light blue), and Other (purple). An 'Edit' button is located above the grid, and a 'Save' button is at the bottom right of the configuration area.

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- In the event list, choose Motion Detection. You can define your own schedule for the whole week and time frame per day.

The 'Edit Schedule' dialog box is shown. At the top, there are tabs for each day of the week (Mon-Sun). Below the tabs, there are two radio buttons: 'All Day' (selected) and 'Customize'. A dropdown menu is open, showing the following options: Motion Detection (highlighted), Normal, Alarm, Motion | Alarm, and Motion & Alarm. Below the dropdown is a table with the following columns: Period, Start Time, End Time, and Record Type. The table contains 8 rows, all with '00:00' for both Start Time and End Time, and 'Normal' for Record Type. At the bottom of the dialog, there is a 'Copy to Week' checkbox (unchecked) and a 'Select All' checkbox (unchecked). Below these are checkboxes for each day of the week: Mon (checked), Tue (unchecked), Wed (unchecked), Thu (unchecked), Fri (unchecked), Sat (unchecked), and Sun (unchecked). A 'Copy' button is located to the right of these checkboxes. At the very bottom are 'OK' and 'Cancel' buttons.

Setup Camera Events

- To setup camera events parameter such as Motion Detection. Go to Configuration > Advance Configuration > Events. You will see seven (7) tabs under *Events*, please select *Motion Detection*.

The screenshot displays the Hikvision web interface for configuring camera motion detection. The interface is divided into several sections:

- Navigation:** Top tabs include Live View, Playback, Log, Configuration (selected), and a user profile (admin) with a Logout button.
- Left Menu:** Local Configuration, Basic Configuration, and Advanced Configuration (selected). Under Advanced Configuration, System, Network, Video/Audio, Image, Security, Events (selected), and Storage are listed.
- Motion Detection Section:**
 - Enable Motion Detection (highlighted with a red box)
 - Enable Dynamic Analysis for Motion
 - Area Settings:** A camera view showing a red grid overlay on the scene. Below the view are buttons for Draw Area, Clear All, and a Sensitivity slider (highlighted with a red box and labeled 'Sensitivity Level').
 - Arming Schedule:** A calendar grid showing the arming schedule for the week of 07-29-2013. The grid is mostly blue, indicating arming is enabled. An Edit button is present.
 - Linkage Method:** A table with two columns: Normal Linkage and Other Linkage.

Normal Linkage	Other Linkage
<input type="checkbox"/> Audible Warning	Trigger Alarm Output <input type="checkbox"/> Select All
<input type="checkbox"/> Notify Surveillance Center	<input type="checkbox"/> A->1
<input type="checkbox"/> Send Email	
<input type="checkbox"/> Upload to FTP	
<input type="checkbox"/> Trigger Channel	

A Save button is located at the bottom right of the configuration area.

8. Place a checkmark under Enable Motion Detection; define the view area of your camera for motion grid.
9. Once motion detection is enabled, arming schedule will be in edit mode automatically. You can arm the events assigned for snapshot recording for whole week seven (7) days.

Edit Schedule Time

Period	Start Time		End Time
1	00: 00		24: 00
2	00: 00		00: 00
3	00: 00		00: 00
4	00: 00		00: 00
5	00: 00		00: 00
6	00: 00		00: 00
7	00: 00		00: 00
8	00: 00		00: 00

Mon
 Tue
 Wed
 Thu
 Fri
 Sat
 Sun

10. Under Linkage Method, place the checkmark on Upload to FTP. This will enable the link for picture upload to your SD card from your camera.

Normal Linkage	Other Linkage
<input type="checkbox"/> Audible Warning <input type="checkbox"/> Notify Surveillance Center <input type="checkbox"/> Send Email <input checked="" type="checkbox"/> Upload to FTP <input type="checkbox"/> Trigger Channel	Trigger Alarm Output <input type="checkbox"/> Select All <input type="checkbox"/> A->1



Enable Event-Triggered

11. To enable snapshot picture recording. Go to Configuration > Advance Configuration > Events. You will see seven (7) tabs under *Events*, please select *Snapshot*.

The screenshot shows the Hikvision configuration interface. At the top, there are tabs for 'Live View', 'Playback', 'Log', 'Configuration', and 'Logout'. The 'Configuration' tab is active. On the left, there is a navigation menu with 'Local Configuration', 'Basic Configuration', and 'Advanced Configuration'. Under 'Advanced Configuration', 'Events' is selected. The main content area shows the 'Snapshot' configuration page. It has sub-tabs for 'Motion Detection', 'Tamper-proof', 'Alarm Input', 'Alarm Output', 'Exception', 'Email', and 'Snapshot'. The 'Snapshot' sub-tab is active. There are two main sections: 'Timing' and 'Event-Triggered'. In the 'Timing' section, 'Enable Timing Snapshot' is unchecked. The 'Event-Triggered' section has 'Enable Event-Triggered Snapshot' checked. Both sections have dropdown menus for 'Format' (JPEG), 'Resolution' (1920*1080), and 'Quality' (High). The 'Interval' field is set to 0 in the Timing section and 500 in the Event-Triggered section, with a unit dropdown set to 'millisecond'. A 'Capture Number' field is set to 1. A 'Save' button is at the bottom right.

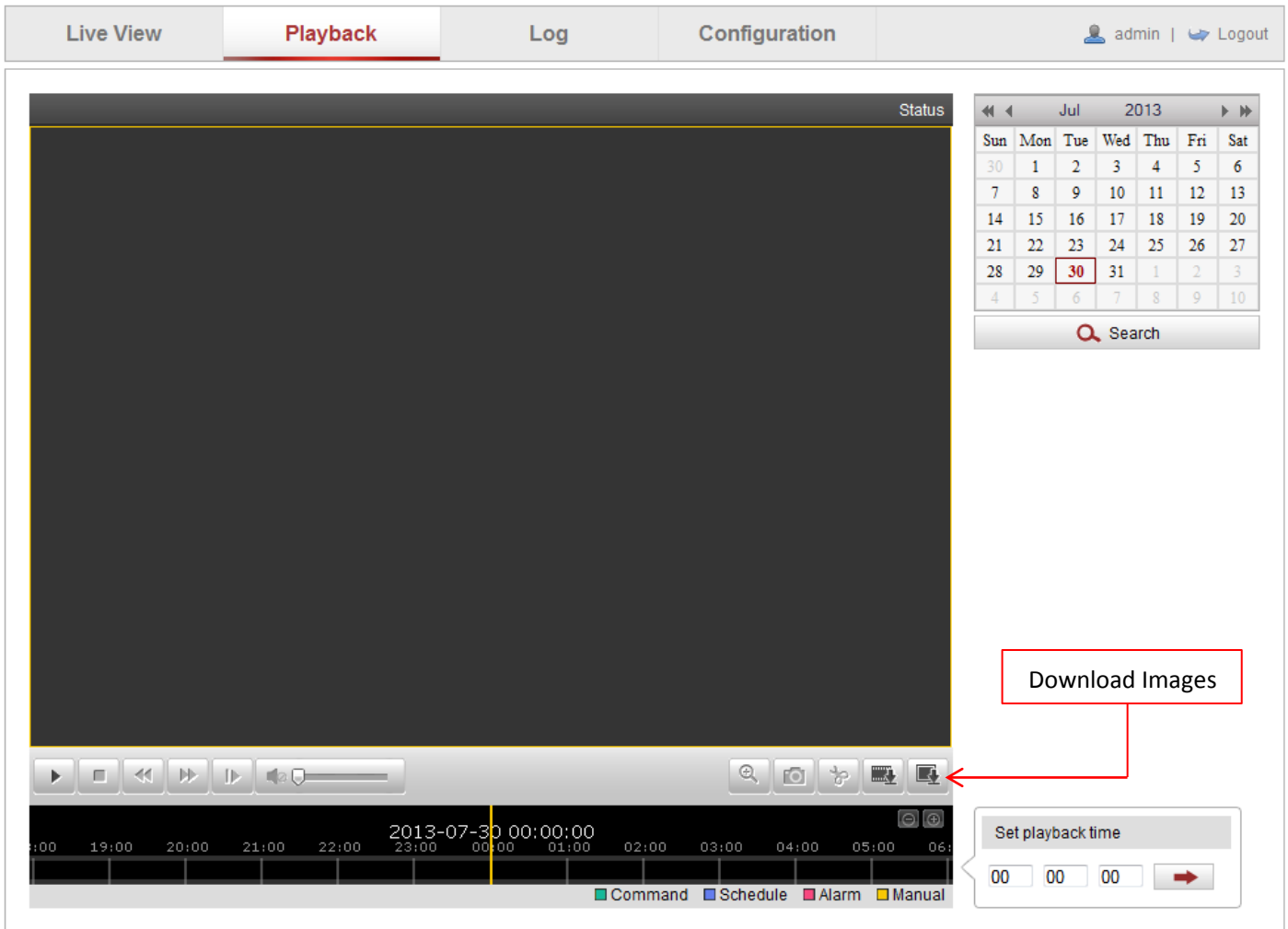
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12. Enable Event-Triggered Snapshot by placing checkmark to have it active for snapshot recording. The following information below is minimum interval for millisecond and second interval for recording.

- Millisecond  Interval range 500-65535 millisecond
- Second  Interval range 1-65 second

Snapshot Picture Search

13. From the main tab go to **Playback** to search for recorded snapshot picture as figure shown below.

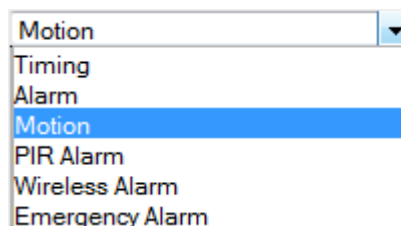


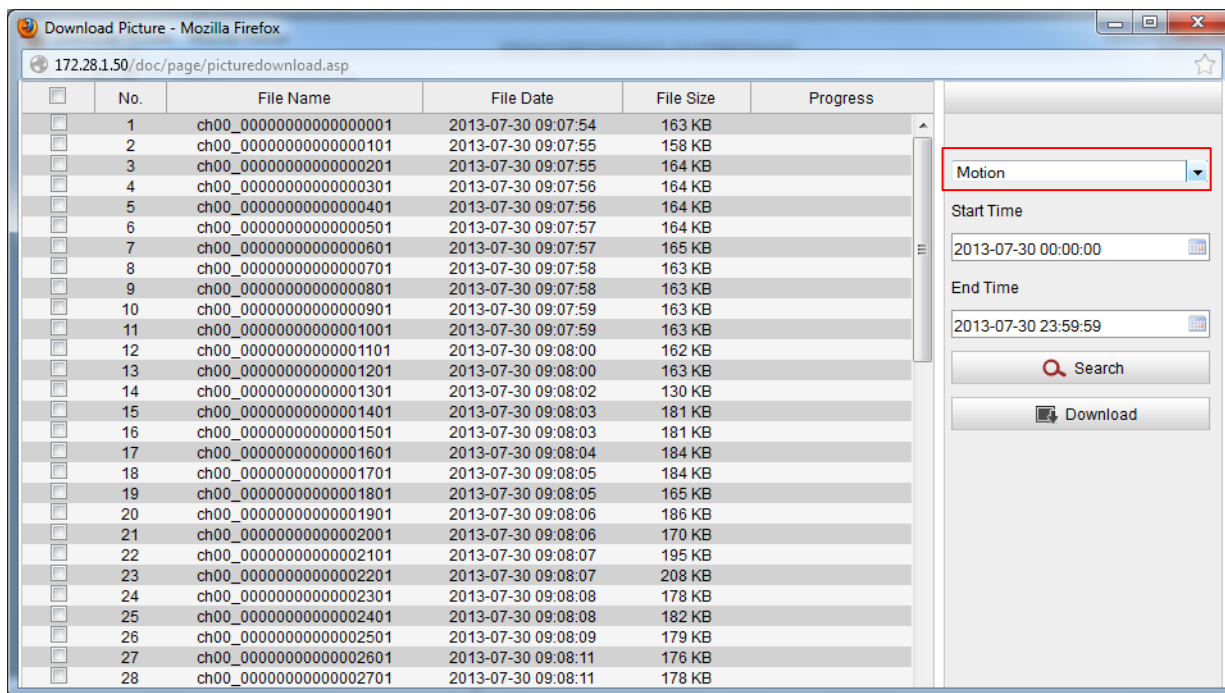
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NOTE:

Normal recording mode or normal video recording can be search by date through the calendar on playback menu. For snapshot triggered recording can be access by clicking download images button shown in figure above.

14. Click Download Images button, a pop-up menu will show. Select "Motion" in dropdown events list to indicate motion detection to search as shown in figure below.





15. You can narrow the search by dates by indicating Start Time and End Time. Click search button to show available recorded picture with specified dates.
16. To download snapshot picture, place a checkmark on the left hand side box on each individual capture files and click download.

NOTE:

Downloaded files are saved and located by default in this folder, C:\Users\Admin\Web\DownloadFiles. You can change the folder where to save downloaded files, go to Configuration > Local Configuration.

