



SRX PRO

Quick Help Guide

Searching Recorded Video

DVR/NVR technology allows you to access recorded video based on date or video channel. You may want to review video recorded in the past few minutes/hours or you may want to search for an incident that was recorded yesterday / last week or even month, when applicable. The instructions on the next page will show you how to review video recordings on your DVR/NVR system.

Single Camera Video Search (Live Mode)

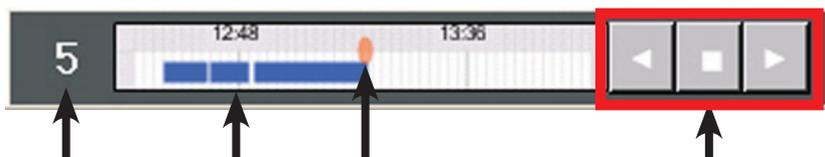
If an incident has just occurred and you would like to review recorded video on one of the cameras, follow these steps to search for the video recorded since 12AM of the current calendar day.

Note: To search for the video recorded earlier, please see the next section.

1. In the **Live** mode, locate the desired video channel. 
2. Double-click on the video image to bring it into Full Screen mode for best results. (This step is optional).
3. Right-click on the video image and select "Search Mode" from the context menu. (Context menu has been enlarged for demonstration purposes)



4. A 24-hour timeline will be displayed. The colored bars represent the video recording. The timeline is zoomed into for ease of use. To search beyond the time frame that is initially displayed on the time line, right-click on the time line and select Zoom Out option from the context menu. Repeat to fully zoom out.



Channel #

Colored bars represent video recording

Red oval represents the playback start time.

Video Playback Control buttons: Reverse, Stop, Play

5. Move your mouse cursor over the time line. Let your mouse cursor rest for a moment to view the exact time code of the spot where the cursor is pointing to. Position the cursor over the timeline and left-click to select the start time for the play back.
6. Click one of the control buttons to start viewing the video recording.



Click the **Play** button to start/resume playback. Click again to increase the playback speed (1X, 2X, 4X, 8X, 16X)

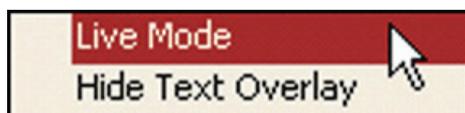


To stop playback, click the **Stop** button



Click the **Reverse** button to reverse playback. Click again to increase the playback speed (1X, 2X, 4X, 8X, 16X)

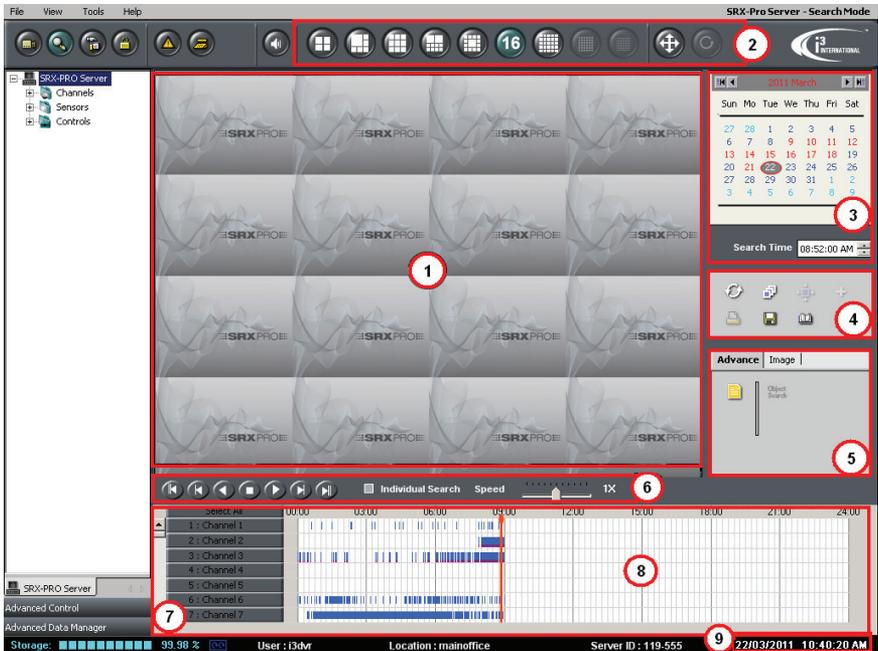
Once you are done viewing the video, you will want to return to the Live screen to continue viewing the live video stream from selected camera(s). To do so, right-click on the video image and select **Live Mode** option from the context menu. Finally, double-click on the video image to return to the split-screen mode.



Multi-Camera Video Search (Search Mode)

If an incident has occurred before 12AM of the current day or if you'd like to view recorded video from multiple cameras at the same time, follow the instructions below:

1. On the main screen, locate and click the **Search**  button in the top left corner of the screen.
The Search window will be displayed.



- | | |
|---|----------------------------------|
| (1) Display Window | (6) Playback Control Panel |
| (2) Screen Division Panel | (7) Channel selection for search |
| (3) Time Panel | (8) 24-hour Timeline |
| (4) Tools Panel | (9) Current Time/Date |
| (5) Advanced Search panel/ Image Settings Panel | |

- Click the **Deselect All** button in the **Channel selection for search area (7)** and then select only the cameras that you would like to search by clicking on the corresponding buttons. Scroll to see additional channels past Channel 7. As you select the cameras for review, the channel buttons and their corresponding timeline row will be highlighted light blue.



The colored bars inside the **24-Hour Timeline (8)** represent video recording for each individual camera. The color of the bar indicates the type of video recording, i.e. Motion = Navy Blue, Pink - Continuous, Sensor + Motion = Green, etc.

- To view the video recording for a specific incident, please select the day the incident has occurred in the Calendar located in the **Time Panel (3)**.



The days in red color contain video recording.
The days in blue color contain no video recording.
The day in a filled gray oval is the day selected for review.
The day circled with a red line is the current calendar day.

E.g. July 22, 2011 in the image is the current calendar day, while July 21, 2011 has been selected for review. June 27-30, as well as July 4-7, 12, 21-22 all have video recording.

2011 July						
Sun	Mo	Tue	We	Thu	Fri	Sat
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

- After selecting the day of the incident, select the start time of the video recording on the Clock window located in the **Time Panel (3)**. Use keyboard or mouse cursor.



- Once you've selected the incident's Date and Time, click the **Play** button on the **Playback Control Panel (6)** to start viewing the video recorded by the cameras you have selected in Step 4.



At any time during the playback, you can zoom into any of the selected cameras without interrupting the video playback. Simply double-click on the camera you'd like to bring to a Full Screen mode. When done, double-click again to go back to the split screen mode.

- Use the **Playback Control Panel (6)** to navigate video playback. You can increase/decrease the speed of the playback by using the **Speed** slider, you may stop or reverse playback, or view video recording frame-by-frame.

Once you are done viewing the video, you may want to:

- I) go back to viewing live view recording. To do so, click the **Live View** button 
- II) stop playback and run another video search. To do so, click the **Stop** button  and then repeat Steps 2-6 of this section.
- III) run an Object Search on a selected camera or backup a portion of your video recording to a CD/DVD/USB, in order to present it to the law enforcement agent, for example.
Read the next two sections to learn how.

Object Search

Object Search allows looking for a change within a highlighted area of the camera field of view. This feature can save you many minutes/hours of viewing recorded video footage to find a specific incident. For example, Object Search will help you quickly find a video recording of a moment of when a car has parked on a reserved parking spot or when an object of interest (e.g. a display stand in a store) was moved.



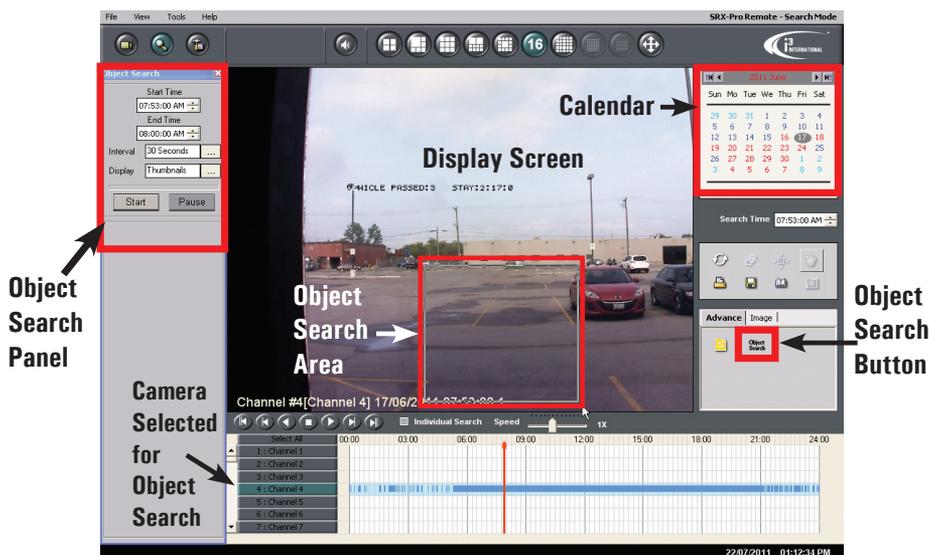
Object Search can be only performed on one camera at a time.
Object Search can be only performed within a single calendar day at a time.



To narrow down your search, highlight only the area of interest.
The completed rectangle are can be re-sized or moved around on the screen.
Up to 8 (eight) search areas can be drawn.

Follow these instructions to perform the Object Search:

1. In Search Mode, select the day the incident has occurred in the Calendar located in the **Time Panel (3)**
2. Click the **Deselect All** button in the **Channel selection for search area (7)** and then select only the camera that you would like to perform Object Search on by clicking on the corresponding button. Scroll to see additional channels past Channel 7.
3. Double-click on the still video image of the selected camera in the split-screen mode to zoom into the selected camera. The selected camera will be then be brought into Full Screen mode.
4. Click on the **Object Search** button in the **Advanced Search panel (5)**. The Object Search panel will be displayed on the left-hand side.
5. On the Display Screen, draw a rectangular area where the Object Search will be performed. To draw a rectangular area on the screen, position your mouse cursor over one of the corners, press and hold down the left mouse button, drag your mouse cursor in the desired direction until a rectangle has been drawn. Release the mouse button.

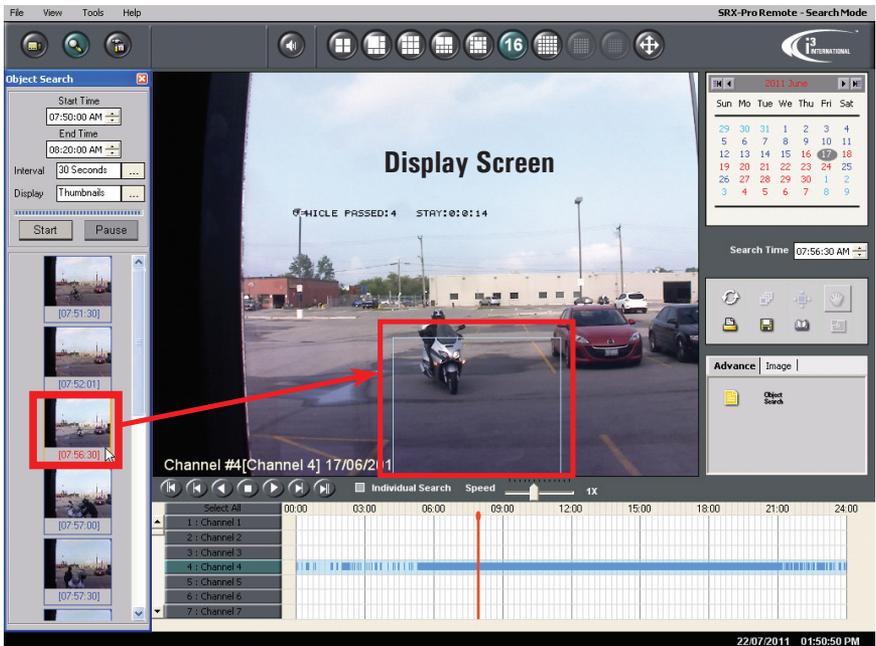
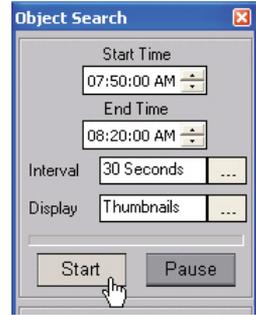


Only highlighted video area(s) will be processed during the Object Search, which allows for faster and more efficient search times.

7. In the Object Search panel, configure the **Start** and **End Time** for your Object Search. If you are able, narrow down the search time to a shorter period of time to reduce the Search time and the number of returned results. In our example, it is known that the motorcyclist parks in a reserved spot some time between 7:50AM and 8:20AM.

8. Set the **Interval** if you do not want to check every video frame within the set time range (optional). This setting allows to further speed up the search and produces fewer search results. In our example, we will check for the changes within the highlighted video area only every 30 seconds during the set search time range.

9. Click the **Start** button in the Object Search panel to begin the Object Search. Thumbnails with search results will be displayed below. Wait until the Object Search is complete. Once the Object Search is done, you can scroll through the search result thumbnails below and view them in Display Screen by clicking on the individual thumbnails. In our example, we can see that the motorcyclist arrived around 7:56:30AM.





Once you have completed the Object Search, you may want to:

- I) go back to viewing live view recording. To do so, click the **Live View** button
- II) perform another Object Search. To do so, double-click on the Display Screen to go back to split screen mode and repeat Steps 2-9 of this section
- III) perform a video search. To do so, double-click on the Display Screen to go back to split screen mode and repeat Steps 4-8 of the **Multi-Camera Video Search (Search Mode)** section of this guide.
- IV) backup a portion of your video recording to a CD/DVD/USB, in order to present it to the law enforcement agent, for example. Read the next sections to learn how.

Video Backup

Occasionally you may want to save a portion of your video recording to a removable media, such as CD/DVD disk or a USB drive. To perform video backup, follow instructions below.



In Search Mode, click the Backup button on the **Tools panel (4)**. The Backup Search Mode window will be displayed.

The screenshot shows the Backup Search Mode window with several key areas highlighted by red boxes and numbered callouts:

- 1**: Date/Time selection area with Start Date/Time and End Date/Time dropdowns.
- 2**: Channel selection list where Channel 4 is selected.
- 3**: Video Settings sub-panel.
- 4**: Channels tab header.
- 5**: Incident Properties panel showing Destination (D:\3drv Backup\Backup.avi) and Type (Video).
- 6**: Backup Sessions panel with Add, Delete, Start, and Stop buttons.
- 7**: Playback controls including a progress bar and a table of backup sessions.

Name	Start	End	Status	Format	Destination
<input checked="" type="checkbox"/> Clip 1	17/06/2011 07:56:00 AM	17/06/2011 07:58:00 AM	Ready	AVI	D:\3drv Backup\Backup.avi

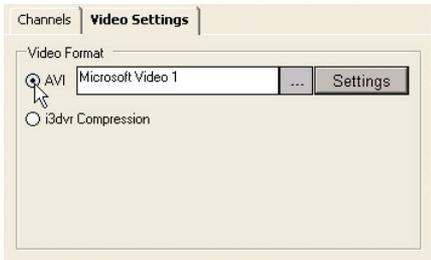
Buttons at the bottom: Update, Help, Keyboard, Close

 Use the diagram on the previous page to help you follow along with the instructions.

1. Start by configuring the **Start Date/Time** and **End Date/Time** of the video clip you would like to back up. **1**

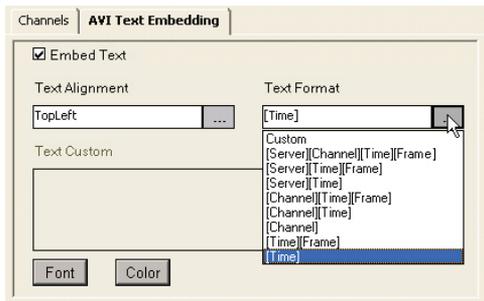
 Be mindful of the length/size of the video recording backup. The longer the backup video recording, the bigger the file size will be and the longer the backup process will take. Keep in mind that a 1-minute AVI clip of a Full HD video recording recorded at 15 frames per second, will take up around 370MB. Based on this assumption, a standard DVD disk will only hold around 12-15 minutes of full HD video recording.

2. Next, select one or more cameras you would like to back up. A separate backup file will be created for each camera you select. The start/end date and time of the backup will remain the same for all selected cameras. **2**
3. Click on the **Video Settings** tab and select AVI video format (as shown in the image below). **3**



4. **This step is optional.** For the ease of identification, you may want to add a timestamp to your video backup clips. To add embedded text to your video backup, click on the **AVI Text Embedding** tab. **4**

Select the text location in the Text Alignment menu and then select the type of text you'd like to add in the Text Format. You can add a timestamp only, or you can combine it with Server IP address, Channel name, and/or Frame count.

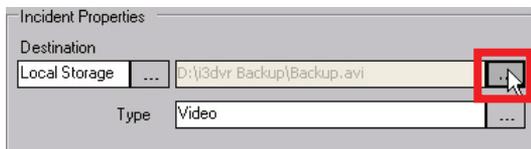


5. Make sure the backup **Destination** is set to **Local Storage**. 5



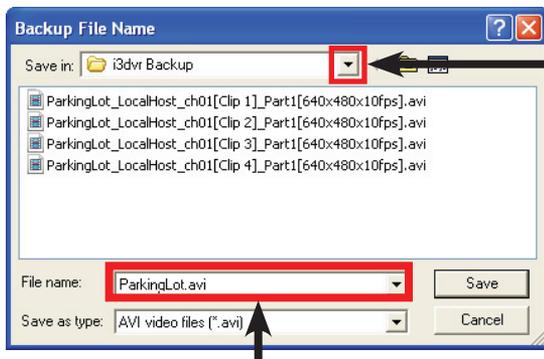
If you would later like to create a DVD backup, you must first save video clips onto your local drive and then burn the DVD backup using Windows utility software.

Next, select the exact backup location on your hard drive, click on the button highlighted in the image below to select the folder where the video clips will be saved to. The default backup location is D:\i3dvr Backup.



Click this button to change the folder where your video backup clips will be saved to.

The **Backup File Name** window will pop up. In this window you will define the default location for all backup video clips as well as a default video backup clip name.



Click this button to locate the new folder where your video backup clips will be saved to. If you would like to save the backup clips to your **USB drive**, plug it in now and locate it in the drop-down menu.

Position the cursor inside the **File name:** field and type a new name for your video backup clip. Make it as descriptive as you want. It may be useful to include the video clip date/time, camera location and the incident name to help you identify it later. E.g. 2011June17-ParkingLot-Motorcyclist.avi

Note that by default, your custom file name will be accompanied by channel number, Clip Name, video resolution and frame rate of the recording.

6. Click the Add  button to add the configured backup clip to the backup lineup. **6**
7. Click the Start  button to begin the backup process. **7**
The clip status will change from “Ready” to “Active: % completed” and to “Finished”. Wait until the backup clip status says “Finished”. Your backup is now complete. If you were backing up video to a USB drive, safely disconnect it from your PC now. If you would like to burn the saved clip to the DVD disk, insert the blank media into your DVD drive now and use Windows burning utility to burn your clip(s).

You may refer to Windows Help guide for instructions:
<http://windows.microsoft.com/en-US/windows-vista/Burn-a-CD-or-DVD>

Once you have completed the Video Backup, you may want to:

- I) perform another backup. To do so, select and delete any backup clips you have already completed. Then, repeat Steps 1-7 of this section.
- II) go back to the Search mode to perform another video search or Object Search. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window. Then Steps 4-8 of the **Multi-Camera Video Search (Search Mode)** section of this guide.
- III) go back to viewing live view recording. To do so, click on the **Close** button in the bottom right-hand corner to close the Backup Search Mode window.

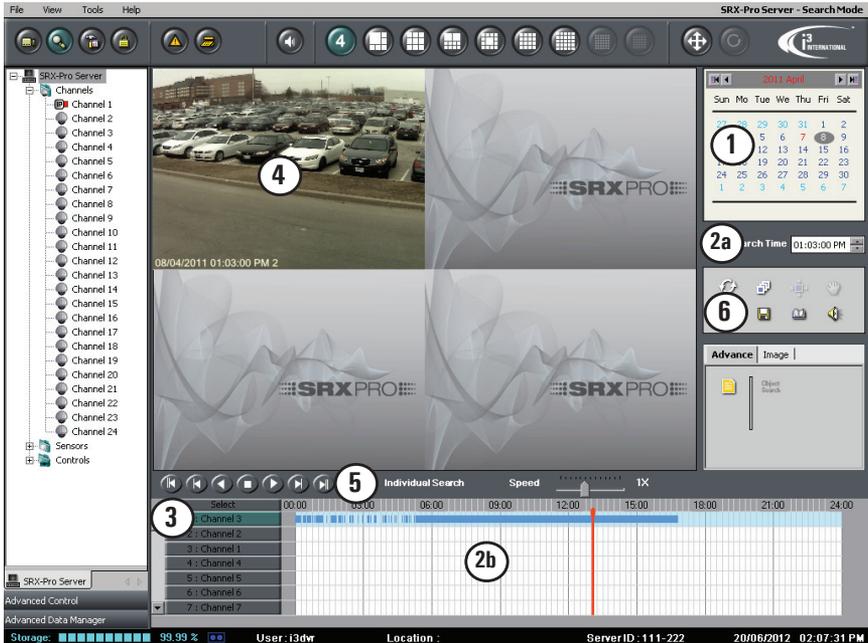
Then click the **Live View** button



Snapshot Backup

Follow the instructions below to save a Snapshot to USB storage device:

1. Connect your USB drive to the USB port on the DVR.
2. Click the **Search** button on the Main Screen to access Search Mode. The Search window will appear.



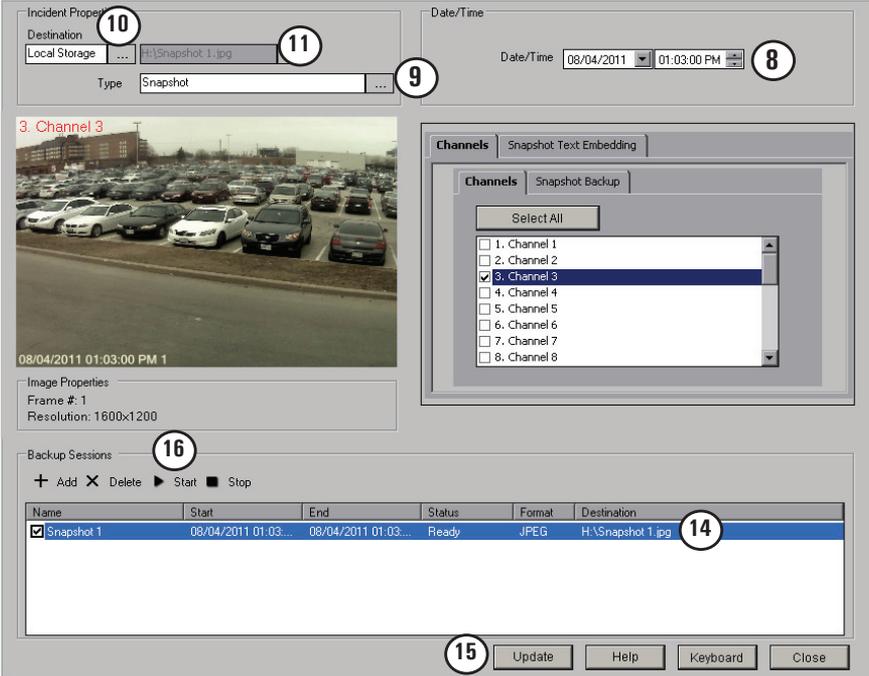
NOTE: The timeline (2b) provides a visual representation of the recorded data for a 24-hour period. The recorded data is represented by multi-colored bars. The color of the bar indicates the type of the video recording: continuous (pink), sensor (orange), motion (blue), sensor + motion (green) or lime (VideoLogix).

3. In the Calendar window, select the desired year and month. (1)
4. Select the day of the recording in the Calendar window (use mouse cursor). (1)
5. Set the Search Time of the recording in the Search Time (use keyboard or mouse cursor) (2a) or click directly on the timeline to set the desired time. (2b)

6. Click the channel selection button to select the desired video channel. By default, all channels are selected.
Double-click the "Select" button to deselect all channels (3)
Then click on individual channel button to select the desired channel
Note: Scroll down to see channels 8-XX.
7. Double-click on the selected channel image in the View Screen to bring it forward (4)
8. If required, use the Playback Control panel to find the desired video frame. (5)
Click **Stop** button on the Playback Control panel to stop the playback at the desired frame. (5) 
9. Click **Backup** button in the Tools panel to start saving the snapshot to the USB drive. (6) 

The Snapshot Backup window will be displayed. The selected snapshot is displayed in the view screen. (7)

If this is not the snapshot you need to save, adjust the time and date (8) or return to Step 3.

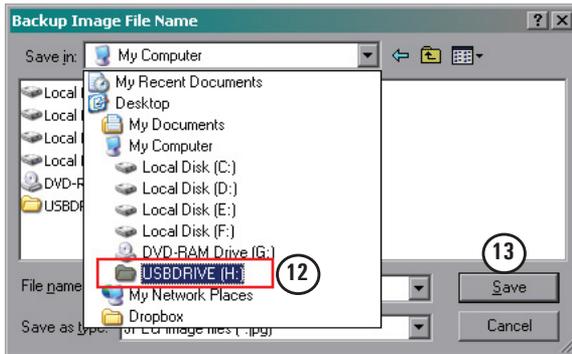


The screenshot shows a software interface with several panels:

- Incident Properties:** Includes fields for Destination (Local Storage), File Name (H:\Snapshot 1.jpg), Type (Snapshot), Date/Time (08/04/2011 01:03:00 PM), and a Select All button.
- View Screen:** Displays a video frame of a parking lot labeled "3. Channel 3". Below the video are image properties: Frame # 1, Resolution: 1600x1200.
- Channels Panel:** A list of channels from 1 to 8, with "3. Channel 3" selected.
- Backup Sessions:** A table with columns: Name, Start, End, Status, Format, Destination. It contains one entry: Snapshot 1, 08/04/2011 01:03:00, 08/04/2011 01:03:00, Ready, JPEG, H:\Snapshot 1.jpg.
- Buttons:** Update, Help, Keyboard, Close.

Numbered callouts (10-16) point to various UI elements: 10 (Incident Properties title), 11 (File Name), 9 (Type), 8 (Date/Time), 16 (Backup Sessions title), 14 (Destination), and 15 (Update button).

10. Make sure that the **Type** is set to **Snapshot**. 9
11. Click the **Browse** ... button in the **Destination** field and select **Local Storage**. 10
12. Click the **Browse** ... button next to the destination path. 11
Backup Image File Name window will be displayed.



13. Select USB storage drive in the **Save in:** drop-down list. In this example, USB drive is a (H:) drive. 12
14. In the **File name:** field, type the Snapshot name and click **Save**. 13
15. Click on the Snapshot backup line 14 click **Update** 15
This step must be completed to update the snapshot's backup name and destination.
16. Repeat Steps 3-15 until all desired snapshots have been added to the Backup Sessions window.
17. Click **Start** to begin Snapshot backup process. 16
18. Wait until the status of each Snapshot Backup session has changed from "Ready" to "Finished" (see image)

Name	Start	End	Status	Format	Destination
<input checked="" type="checkbox"/> Snapshot 1	08/04/2011 01:03:...	08/04/2011 01:03:...	Finished	JPEG	H:\Snapshot 1.jpg

19. Safely remove the USB drive from the USB port.



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