



American Dynamics

A Tyco International Company

User's Guide

Intellex

Version 5.0

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Warnings

To reduce risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

Do not expose this appliance to rain or moisture.

Do not install this product in hazardous areas where highly combustible or explosive products are stored or used.

This equipment is a Class 1 laser product incorporating a Class 1 laser diode and it complies with FDA radiation performance standards, 21 CFR subchapter J and the Canadian Radiation Emitting Devices Act, REDRC1370.



The lightning flash/arrowhead symbol, within an equilateral triangle, alerts the user to the presence of a shock hazard within the product's enclosure.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the battery manufacturer. Dispose of used batteries according to the battery manufacturer's instructions.

Zur Vermeidung eines Stromschlages darf das Gehäuse nicht entfernt werden. Es enthält keine vom Benutzer zu wartenden Teile. Überlassen Sie die Wartung nur qualifiziertem Fachpersonal.

Es besteht die Gefahr einer Explosion, wenn die Batterie nicht ordnungsgemäß ausgetauscht wird.



FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class "A" digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

This product was FCC verified under test conditions that included the use of shielded I/O cables and connectors between system components. To be in compliance with FCC regulations, the user must use shielded cables and connectors for all except power.

EQUIPMENT MODIFICATION CAUTION

Changes or modifications not expressly approved by Sensormatic, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

This class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Rack Mounting

Consult with the supplier of your equipment rack for adequate rack mounting means, with proper consideration for the weight of this product.

Consult with the manufacturer of your rack regarding the proper hardware and procedure of mounting this product in a safe and useable fashion.

Avoid uneven loading or mechanical instability when rack mounting units.

Make sure that units are installed to get enough air flow for safe operation.

The maximum temperature for rack-mounted units is 35° C.

Avoid uneven loading or mechanical instability when rack mounting units.

Check product label for power supply requirements to assure that no overloading of supply circuits or overcurrent protection occurs.

Mains grounding must be reliable and uncompromised by any connections.



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Basic Features

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Managing Digital Video

The Intellex is an intelligent DVMS (Digital Video Management System) that combines video multiplexing, recording, and viewing of up to 16 cameras, local and remote camera control, alarm/event detection and notification, video and text analysis (IntelleCord and Smart Search) and much more.

Depending on equipment configuration, the Intellex can display multi-channel live video and output live audio; record multiple video channels, text streams and one audio channel; play back recorded multi-channel video with associated audio and text; perform video analysis and text exception monitoring; export data; archive data; perform comprehensive video and text searching; and host multiple remote users. Depending on equipment configuration and remote connections, you can perform these and other tasks simultaneously.

Intellex is offered in desktop, rack mounted chassis, and platforms configured with Classic, Deluxe, or Premier packages, each containing pre-configured hardware and software features.

Basic features

- Simultaneous viewing, recording, playback, transmitting, database searching, exporting and archiving
- Uses ACC (Active Content Compression), a proprietary patented highly efficient video compression and decompression method
- Intelligent recording (IntelleCord). Recording based on alarms: preconfigured video and text filters, mechanical inputs, local and remote generated alarms and video loss. Always recording plus response to alarms and/or recording only in response to alarms
- Selective Image Recall (Smart Search). Database search based on video and text filters configured after-the-fact, preconfigured video and text filters, mechanical inputs, local and remote generated alarms and on video loss
- Regular and Custom Schedules, including Custom Weekends
- Dome control including, pan, tilt, zoom, focus and iris, as well as programming American Dynamics domes
- User-defined camera handlers
- Export video, text and audio to external storage. May be CD, DVD, removable and network drives
- E-mail notification of system events
- Hard disk drive monitoring
- Remote access and management through Network Client and Intellex API 3rd party programs (limited to API functions programmed)
 - View live video
 - Retrieve and play back video, text and audio
 - Remotely configure Intellex settings
- Windows XP/Windows 7 operating system platform.

Optional Features

- Archive Manager module allows for data archiving (video, text and audio) to network attached storage devices and retrieval using Network Client.
- Policy Manager module integrates with Microsoft Windows security to provide Intellex with Advanced Security for managing and restricting user and user group access to Intellex resources and functions locally and remotely by Network Client and Intellex API 3rd party applications.

Basic Features

Getting Started

To configure security, see the Intellex Installation and Configuration Guide. The system administrator must grant privileges to access, set, or change features.

Note

The Administrator account should only be used to perform Administrator level duties, and should not be used for viewing video.

Logging In

- 1 Using the mouse, enter the 1- to 8-character PIN (Personal Identification Number) code the system administrator assigned. Click  to erase an entry.



- 2 Click OK. The main screen appears.

Main Screen

Displays video from 1–16 cameras. Here, the screen displays live images from 4x4 (16) cameras.

Each pane shows live video from 1 of the 16 cameras.

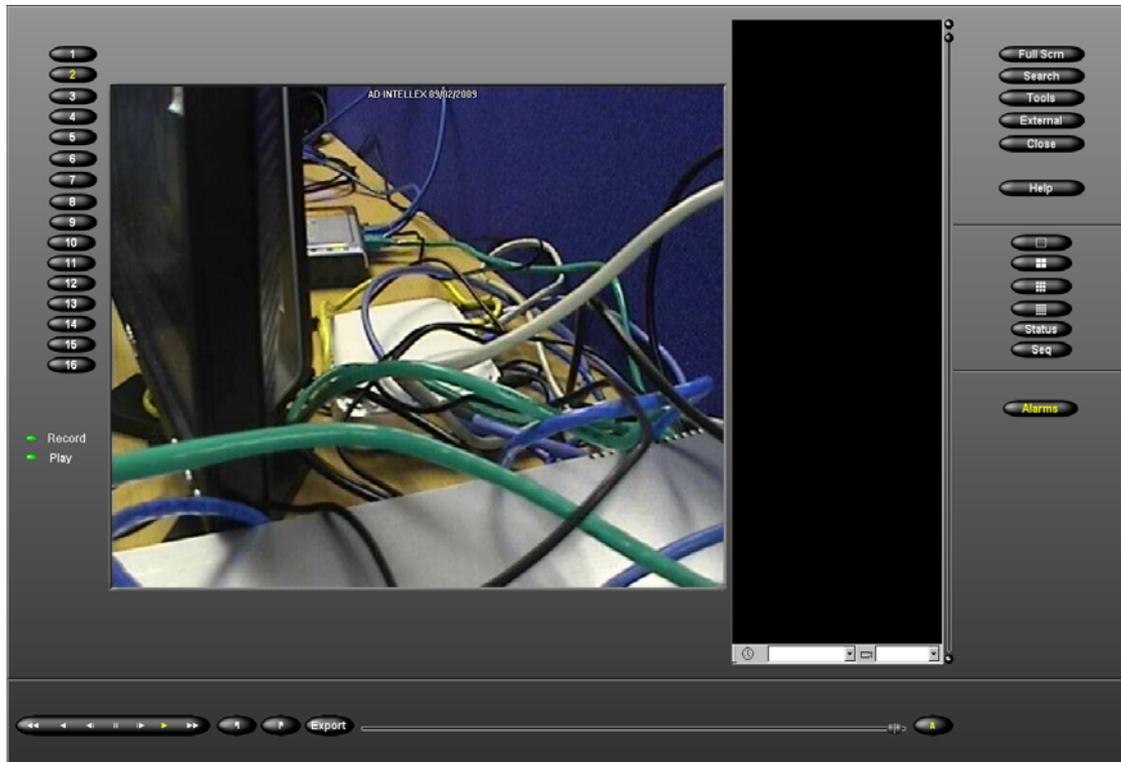


Image area

On-screen controls

Widescreen display

In order to provide the highest picture quality possible on newer TFT widescreen monitors, Intellex will now automatically resize its display to match whatever resolution the system has configured. An example of a widescreen monitor layout, including text stream window, is displayed below:



Widescreen resolution selection

If the system default resolution needs to be changed to a different resolution, this can be done on the Setup/Display/Monitor Resolution Tab, as shown on the next page;

Note

Due to the various combinations of monitor screen sizes and resolution settings, some users may see the video display stretched slightly. This is due to the selected resolution not matching with the native monitor resolution. In order to rectify the problem users should run at the native/optimal resolution for monitor. This can be done with reference to monitor's documentation. Similarly, if the monitor is switched during use, some of the controls may not be visible on screen. Should this need to be done, configure the second monitor's resolution before switching.

Select Monitor Resolution tab.

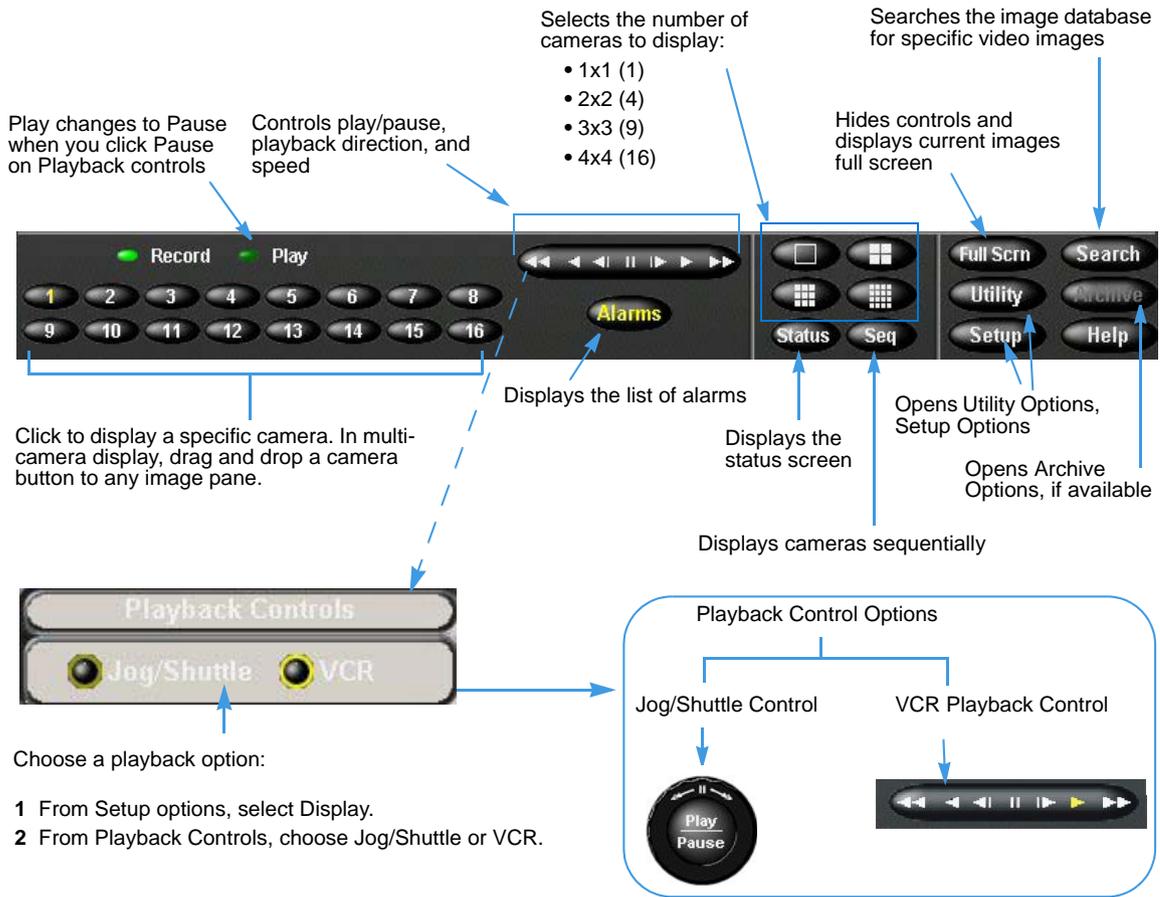
Select the desired Frequency rate from this dropdown on the Monitor Resolution tab.

Select the resolution from this dropdown.

Click on the Change Resolution button to confirm your selection. You are prompted to confirm if the new view is acceptable - if a positive response is not given within a preset timeframe then the system reverts to the previous setting.

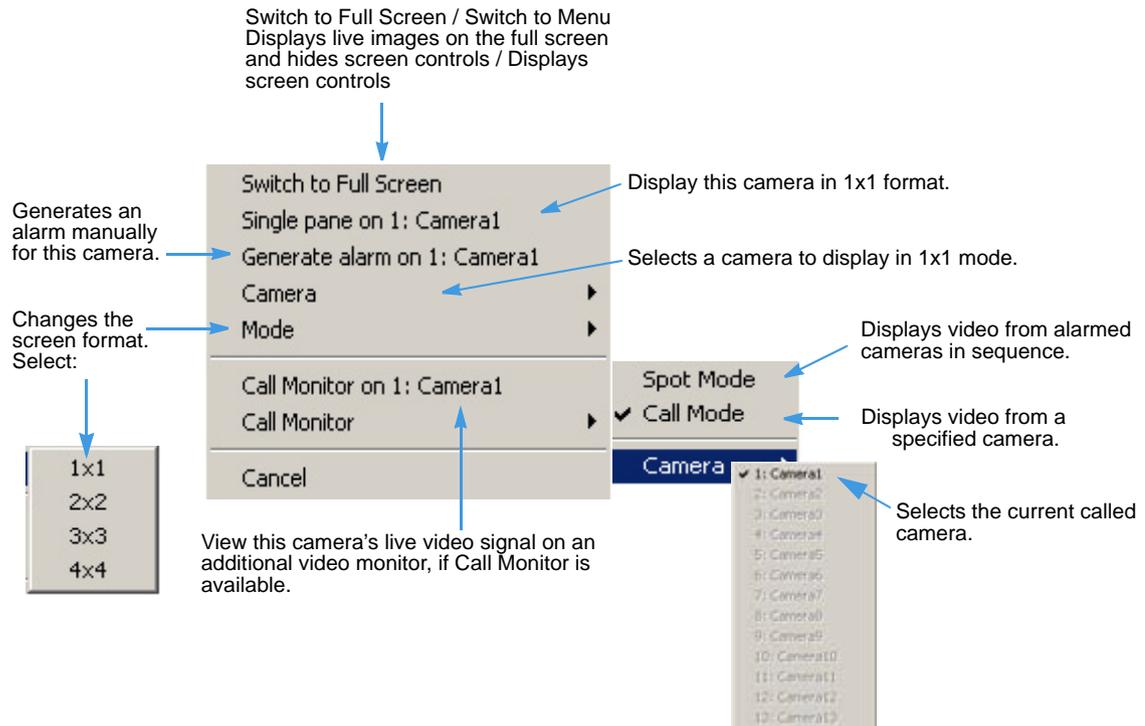
If the GUI is resized to or from the 800x 600 setting the system will restart automatically for the changes to take effect once you have confirmed your choice on the dialogue window shown below.

Controls



Changing the Look of the Live Display

Right-click an image. This menu appears.



Zooming in

At any time, zoom in on an area of the live image to more closely observe activity from a camera.

- 1 Move the cursor over the image to display it in a single pane.
- 2 Click to fill the entire image area with this camera image. The cursor changes to .
- 3 To return to the previous display mode:
 - Click it again.
 - Click the camera to full size.
- 4 Move the cursor over the image to enlarge.
- 5 Click and drag to define the area to enlarge.

Setup Controls

Setting the camera's frame rate

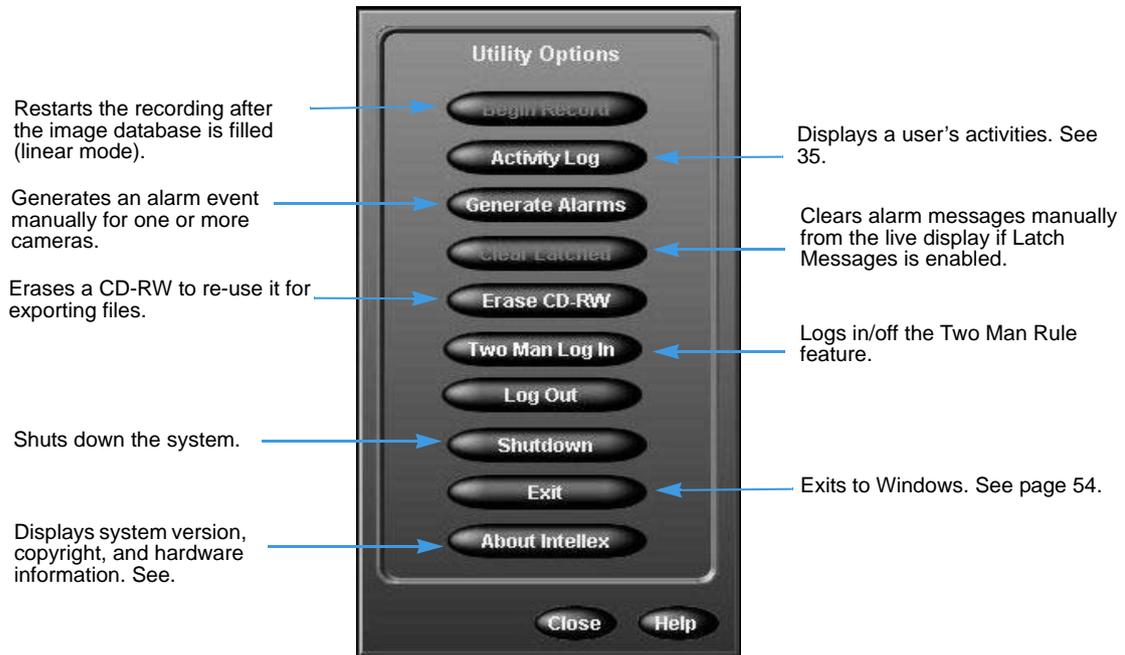
Setting the frame rates higher will improve the picture quality. This can be done through the Setup/Rate/Use Camera selectable rate dropdown menu.

Increasing display resolution

True 4CIF resolution can be achieved through the Setup facility. Through the Setup/Schedule and Setup/Alarm menu option.

Utility Options

From the main screen, click Utility.



Checking Camera Status

From the main screen, click Status.

Cameras by name in numerical order

* = the camera is in covert mode

the camera is not connected or there is no video to record

the camera is currently unable to record

Circular or linear

Time between oldest and newest images in the database

Total number of images in the database

Estimate of remaining number of images (linear mode only)

Super, Normal, or Extended

Normal or High

Disabled, Active, or Alarmed

Pre-alarm setting for each camera in Alarmed mode

Current filter for each camera in Active or Alarmed mode

Rate in images per second.

Auto rate only; not applicable if the rate is set per camera.

Regular or custom

Connected to network

Workstation's network identifier

Status	Camera	Quality	Sensitivity	Mode	Pre-Alarm	Filter
	Camera1	Normal	Normal	Active	-----	
	*Camera2	Normal	Normal	Active	-----	
	Camera3	Normal	Normal	Active	-----	
	Camera4	Normal	Normal	Active	-----	
	Camera5	Normal	Normal	Active	-----	
	Camera6	Normal	Normal	Active	-----	
	Camera7	Normal	Normal	Active	-----	
	Camera8	Normal	Normal	Active	-----	
	Camera9	Normal	Normal	Active	-----	
	Camera10	Normal	Normal	Active	-----	
	Camera11	Normal	Normal	Active	-----	
	*Camera12	Normal	Normal	Active	-----	
	Camera13	Normal	Normal	Active	-----	
	Camera14	Normal	Normal	Active	-----	
	Camera15	Normal	Normal	Active	-----	
	*Camera16	Normal	Normal	Active	-----	

Record Mode: Linear Record Rate: 60 ips

Time Span: 34 days 15 hrs. 3 min. Schedule Mode: Regular

Total Images: 1,324,875 Network: Available

Remaining Images: 53,366,295 Unit Name: TECHPUBS

Close Help

Note

On a DVMS or LT model the Auto Rate mode will not be an option. Users must manually set the record rate.

Finding Video Segments

Find video segments based on Date and Time, Camera, Alarm, or Text criteria. See page 24.

From the main screen, click Search. The Search Mode screen appears.

Defines a search for a specific video segment

Selects a camera to search

Searches using entered criteria

Interrupts the search

Plays the selected video segment. If the Two Man Rule is applied to the selected camera a second user must be logged into Intellex to play.

Searches using the date and time, camera, or alarm criteria

Searches using image filters

Searches using text content associated with cameras

Clears current criteria and begins new search. definition

Selects the type of filter used to search the database

Configures the filter

Selectable types of filters

After finding a video segment that meets the search criteria, sets the length of time that search should skip ahead before looking for the next event

Searches all available text streams

Searches a specific text stream

Viewing Live Video

Start Camera Sequencing

- 1 From the main screen, select a mode for the video display.
- 2 On the control tool bar, click Seq.

Display Mode	Stationary Live Images	Sequencing Images
Single	None.	Single pane displays the sequencing cameras.
2x2	Panes 1–3 display stationary live images from cameras 1–3.	Pane 4 sequences through live images from cameras 4–16.
3x3	Panes 1–8 display stationary live images from cameras 1–8.	Pane 9 sequences through live images from cameras 9–16.
4x4	Panes 1–16 display stationary live images from cameras 1–16.	None.

Note

The example above illustrates basic mapping from cameras to panes. You can map cameras to different panes (example: camera 1 to pane 16), and map the same camera to multiple panes (example: camera 1 to all 16 panes). The sequencing pane sequences through all cameras not currently displaying in a stationary pane.

Stop Camera Sequencing

- On the control toolbar, click Seq. Sequencing stops and cameras display in the previous stationary display mode.
- Click any mode button. Cameras display in an appropriate display mode.
- Click any camera button. The selected camera displays in single-pane display mode.

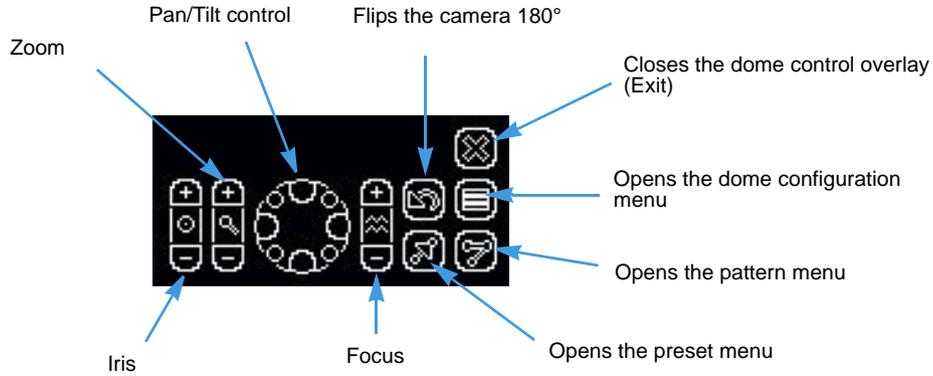
Controlling a Dome Camera

The dome symbol  appears with video from a camera with dome control.

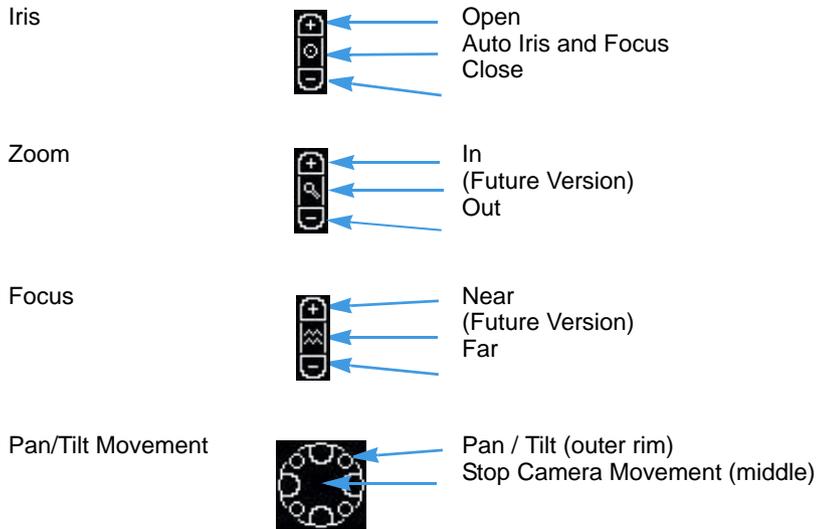
Note

If another user is operating the dome, you may not be able to control it.

- Click  in the camera's pane.
- Click the control item on the overlay.



Center buttons allow automatic control: auto iris, auto zoom, and auto focus. The center of the Pan/Tilt Control stops camera movement.

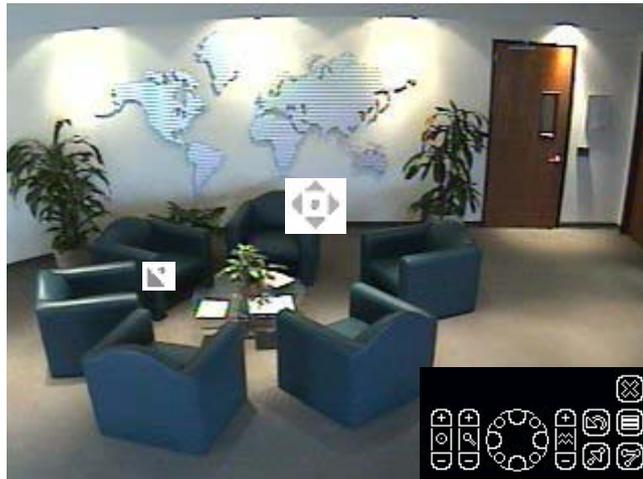


These camera handlers enable access to these dome configuration menus:

- AD168/MP48
- VM96RTT
- VM16/ADTT16
- Pelco Matrix Switch
- AD1024 Matrix
- RS422 Dome
- VM16E/ADTT16E
- USB CCTV

Quick Camera Controls

Start a camera control session to open the quick camera controls.



Controlling the Pan-Tilt Control via Mouse

- 1 Float the cursor over the center of the video pane. The Cursor Origin Mark  appears.
- 2 Click and drag the cursor to set the direction and speed, then release.
 - The camera's movement speed increases proportionally with the arrow's distance from the cursor origin mark.
 - The camera's direction is relative to cursor origin mark.

Zoom via Mouse Scroll Wheel

- Point the camera at a target.
- Scroll the mouse wheel forward (zoom in) and backwards (zoom out).

Pattern and Preset Camera Controls

Note

Preset and Pattern appear only if they are set up for the selected camera. Use Intellex, Network Client, or a Touch Tracker to program presets and patterns.

Preset and Pattern enable dome control via camera scan modes. They function in the overlay for cameras that use the VM16, VM16E, USB-SensorNet, or VM96RTT camera handlers. USB-SensorNet and VM16E camera handlers let you program presets and patterns for specific dome cameras.

A Preset is a pre-positioned camera scene that you program for cameras installed with pan/tilt and motorized lens capability. A Pattern is a sequence of pan, tilt, zoom, focus and iris movements from a single, programmable dome. The dome learns these movements during programming for later execution. You can run preprogrammed presets and patterns and define presets and patterns without a Touch Tracker.

Selecting a Pattern

- 1 Click  to open the Primary Camera Control menu.
- 2 Click Pattern  for the pattern menu:



- 3 Select a pattern number.
- 4 Click  to run the pattern.
- 5 Click Exit  to close the Pattern menu.
- 6 Click  to close the Primary Camera Control menu.

Defining a Pattern

- 1 Click  to open the Primary Camera Control.
- 2 Position the camera for the pattern's start position.
- 3 Click  and select an index for pattern.
- 4 Click Define Pattern . The Pattern Definition Menu appears.



It resembles the Primary Camera Control menu, except for Start and Stop.

- 5 Click Start  to begin programming the pattern. Use any displayed controls to define the pattern's behavior.
- 6 To end the pattern, click Stop . The Replace Pattern message appears.
- 7 To keep the new pattern, click Yes.
- 8 Click  to close the pattern's definition menu.
- 9 To test the new pattern, select the pattern number and click .
- 10 Click  to close the Pattern menu.
- 11 Click  to close the Primary Camera Control menu.

Selecting a Preset

- 1 Click  to open the Primary Camera Control menu.
- 2 Click Preset  to display the preset menu.



- 3 Select a preset number.
- 4 Click  to move the camera to the preset position.
- 5 Click  to close the Preset menu.
- 6 Click  to close the Primary Camera Control menu.

Defining a Preset

- 1 Click  to open the Primary Camera Control menu.
- 2 Position the camera for your preset.
- 3 Click  to display the preset menu.
- 4 Select a preset number.
- 5 Click Define Preset  to define a preset at this index.
- 6 When the Replace Preset? message appears, click Yes to program the preset.

The number of available presets is device-dependent.

Configuring a Dome Camera

Cameras using the VM16, VM16E, USB, and VM96 camera handlers can access the dome configuration menu (see the Intellex Installation and Configuration Guide). Information appearing in the menu depends on the dome camera.

- 1 Select the camera. Click .
- 2 Click Configuration Menu 

For Pan, Tilt, Focus, and Zoom primary camera controls, see page 12.
- 3 Navigate to items in the menu using Pan/Tilt . Select the items using Focus . Use Zoom  to modify the values.
- 4 Accept or reject the modified values.
- 5 Repeat steps 3 and 4 until the camera is configured.
- 6 Close the Dome Configuration Menu.

Exporting Video

Note

You can only export video if your individual user privileges enable you to do so.

- 1 Insert blank CD or DVD media into the drive.
- 2 From the control bar, click Play to begin playback.

Note

If the Two Man Rule is applied to individual camera Playback and a second user has not logged into Intellex a message opens:



Click OK. The Enter PIN dialog box opens. This message can be disabled by selecting the Do not show this message again option button. If the warning message is disabled the Enter PIN dialog box opens directly when you try to access camera Playback.

Enter the second user's PIN and click OK. You cannot access camera Playback unless the second user is different from the current user. The second user must have valid access rights and privileges for camera Playback. For further information see The Two Man Rule on page 31.

Note

If the second user's PIN is invalid, access to Playback for cameras without the Two Man Rule applied is still permitted.

- 3 Move the slider to the location where the video clip begins. 
- 4 Click to define the beginning of a video clip. 
- 5 Move the slider to the right to select the length of the video clip.
- 6 Click to define end of video clip. 
- 7 Click Export.

Note

If the Two Man Rule is applied to the camera Export feature and a second user has not logged into Intellex a message opens:



Click OK. The Enter PIN dialog box opens. This message can be disabled by selecting the Do not show this message again option button. If the message is disabled the Enter PIN dialog box opens directly when you try to access the camera Export feature.

Enter the second user's PIN and click OK. You cannot access the camera Export feature unless the second user is different from the current user. The second user must have valid

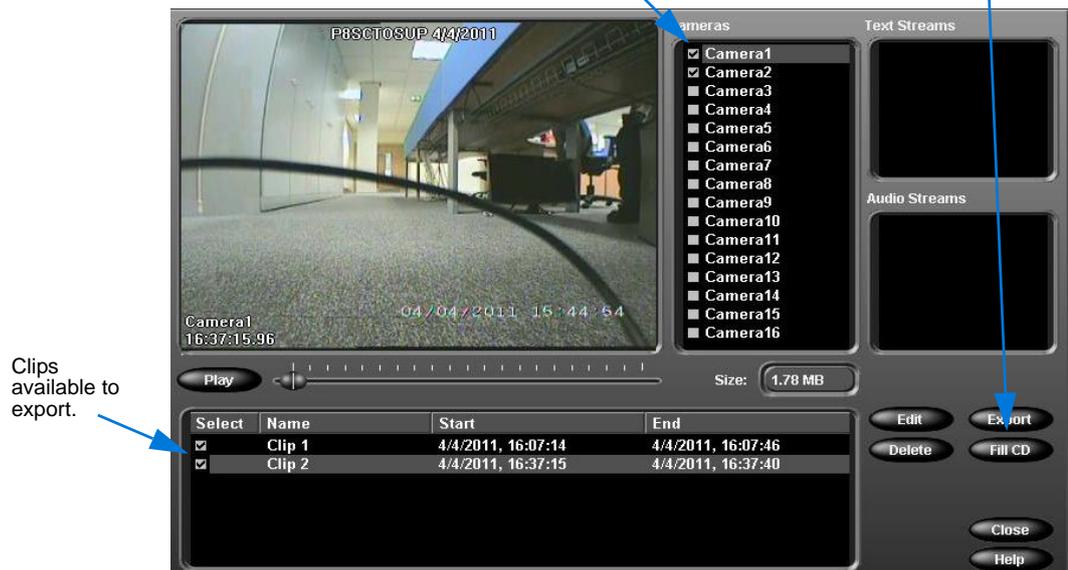
access rights and privileges for camera Export. For further information see The Two Man Rule on page 31.

A screen appears with exported video clips.

Available export cameras.

If the Two Man Rule is applied to the camera Export feature, only cameras that both you and the second user have Playback and Export privileges for are accessible.

You must have access to all 16 cameras to have access to the Fill CD button.



8 Highlight the clip to export.

Select	Name	Start	End
<input checked="" type="checkbox"/>	Clip 1	5/11/2004, 15:42:56	5/12/2004, 18:45:37
<input checked="" type="checkbox"/>	Clip 2	5/11/2004, 11:05:22	5/11/2004, 11:05:25
<input checked="" type="checkbox"/>	Clip 3	5/17/2004, 10:57:38	5/17/2004, 10:57:39
<input checked="" type="checkbox"/>	Clip 4	5/17/2004, 10:59:05	5/17/2004, 10:59:06
<input checked="" type="checkbox"/>	Clip 5	5/11/2004, 14:37:18	5/11/2004, 14:37:20
<input checked="" type="checkbox"/>	Clip 6	5/11/2004, 14:37:37	5/11/2004, 14:37:37
<input checked="" type="checkbox"/>	Clip 7	5/11/2004, 14:37:41	5/11/2004, 14:37:43

9 Click Edit to name the clip.



10 Enter a name. Click Update.

11 (Optional) click Play (default) or Pause to play or pause the video clip.

12 Check the Select box of any additional clips to include in the export.

13 Click Export to export to CD or DVD.

- 14** The Export Directory dialog appears. Click Include player application on export media to include the Intellex Player.



- 15** Click Export to CD-R(W) to write the selected video clips to the CD or DVD.

- 16** Click Export. The export begins.

Managing Alarms

Generating Alarms

- 1 Move the cursor over the camera image where you want to generate an alarm.
- 2 Right-click. The Image Area menu appears.
- 3 Select Generate Alarm. The unit generates an alarm for the selected camera and processes it according to your alarm settings.

Reviewing Alarms

- 1 From the control bar, click Alarms. The alarm review screen appears.

✓ = video segments are reviewed

Date, time, and camera name for each video segment

Alarm input or alarm type (motion, text, generated, etc.) for each video segment

Length of each video segment (minutes: seconds)

Clear	Status	Date/Time	Camera	Alarm	Duration(m:s)
<input checked="" type="checkbox"/>	✓	6/23/2004 17:4...	Camera1	Gen. Alarm	00:05
<input checked="" type="checkbox"/>		6/23/2004 17:4...	Camera1	Gen. Alarm	00:06
<input checked="" type="checkbox"/>		6/18/2004 11:3...	Camera1	Gen. Alarm	00:05

Clear All Clear Play pre-alarm video if available Play Close Help

- 2 Click Clear to clear all checked alarms, or Clear All to clear entire lists of alarms.
- 3 Click Play to play back a video segment containing a recorded alarm.

Note

If the Two Man Rule is applied to this camera's Playback feature and a second user has not logged into Intellex a message opens:



Click OK. The Enter PIN dialog box opens. This message can be disabled by selecting the Do not show this message again option button. If the warning message is disabled the Enter PIN dialog box opens directly when you try to access camera Playback. Enter the second user's PIN and click OK. You cannot access camera Playback unless the second user is different from

the current user. The second user must have valid access rights and privileges for camera Playback. For further information see The Two Man Rule on page 31.

Note

If the second user's PIN is invalid, access to Playback for cameras without the Two Man Rule applied is still permitted.

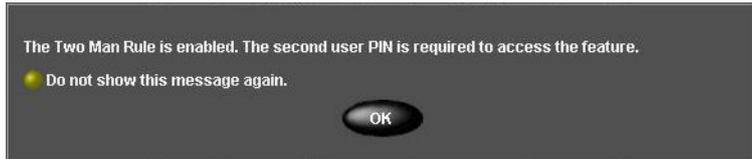
- 4 Click Play pre-alarm video if available to play alarm segments starting at the pre-alarm time, if any.

Playing Back Video Clips

- 1 Click the jog shuttle control or a VCR button to open playback mode.

Note

If the Two Man Rule is applied to camera Playback and a second user has not logged into Intellex a warning message opens:



Click OK. The Enter PIN dialog box opens. This warning message can be disabled by selecting the Do not show this message again option button. If the warning message is disabled the Enter PIN dialog box opens directly when you try to access camera Playback.

Enter the second user's PIN and click OK. You cannot access camera Playback unless the second user is different from the current user. The second user must have valid access rights and privileges for camera Playback. For further information see The Two Man Rule on page 31.

Note

If the second user's PIN is invalid, access to Playback for cameras without the Two Man Rule applied is still permitted.

- 2 Click a button to select a camera (its number) or cameras (1x1, 2x2, 3x3, 4x4).
- 3 Drag and drop the selected camera buttons to multi-screen panes.
- 4 Use the slider to approximate the player's position.
- 5 Click the jog shuttle control or the VCR's middle button to pause playback mode.
- 6 Click Close to exit playback mode.

Slider Control



Play, pause, or move through the video stream using the slider and Play/Pause button.

VCR Control

Fast Reverse

- If you are fast forwarding, each click decreases the speed up to 5 times normal speed.
- If you are fast reversing, each click increases the speed up to 5 times normal speed.

Step back or forward a single frame

Play back Pause Play

Fast Forward

- If you are fast forwarding, each click increases the speed up to 5 times normal speed.
- If you are fast reversing, each click decreases the speed up to 5 times normal speed.

Jog Shuttle Control

- 1 Click once to play back video.



- 2 Click again to pause video.
- 3 When playing, click and drag the arrow clockwise to increase playback speed or counterclockwise to reduce or reverse playback speed. Click and drag the arrow horizontally to the left or right to achieve the same results.



- 4 Continue dragging clockwise or counterclockwise to increase or decrease speed from 1–5 times normal speed. The speed increase or decrease appears.
- 5 When paused, click and drag the arrow clockwise to forward playback in slow motion or counterclockwise to reverse playback in slow motion.



- 6 Continue dragging clockwise or counterclockwise to increase or decrease speed from 1–5 times slow motion speed. The speed increase or decrease appears.

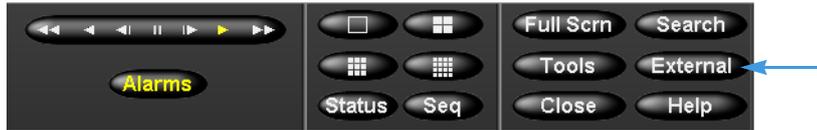
Playback from External Sources

Intellex can play back clips downloaded to external sources such as CDs, DVDs, flash drives, and network drives.

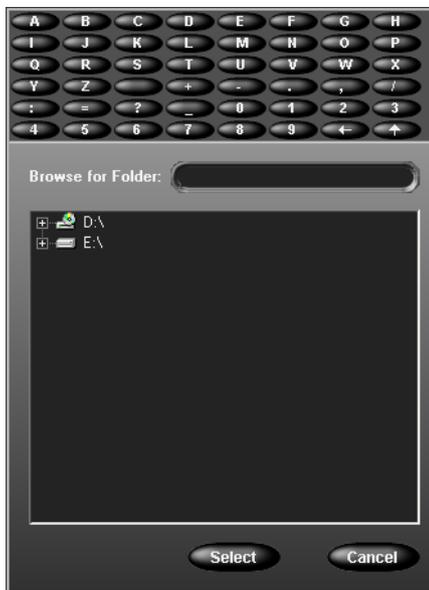
Note

External clips must be saved as .IMG files in order to play.

- 1 Make sure the external source is available to Intellex:
 - If the clip is on a CD or DVD, place the disc in the disc drive.
 - If the clip is on a flash drive, connect it to the USB port.
 - If the clip is on a network drive, make sure the drive is mapped to the Intellex.
- 2 Press any VCR button from the main screen to open playback mode.
- 3 Press the External button.



- 4 A screen listing available external sources appears. Under each source, a list of available clips displays. Click on the appropriate source and navigate to the desired clip.



Note

Drives that are configured as Intellex storage volumes will not display in the list of available external drives.

- 5 Click Select.
- 6 The selected clip will play. Clips from external sources respond to the slider, vcr, and jog shuttle controls (page 21). Please note that the Search and Export buttons are not available for clips from external sources.

Archiving Video

You can archive video to a usb storage device, to a mapped network drive, or to a tape drive (only if you have upgraded from an older version of Intellex). The new Network Archive functionality allows automatic archiving that you can store off-site.

Note

The Archive button is enabled only when a storage device is connected to the Intellex unit. For example, when you insert a usb device, or when connected to a network drive.

Note

You can not use the network drive from Intellex storage.

Note

See page 16 for exporting to CDs and DVDs.

Recommended Maximum Archive Size

The following details outline the recommended maximum archive backup size:

- 205GB when the image file size is 20MB.
- 1TB when the image file size is 100MB.

Restoring from larger archive backup sizes than those recommended will be very slow.

Archiving to a storage device

You can back up the image database while recording or after stopping the recording.

- 1 Ensure the storage device is attached.
- 2 From the main screen, select Archive. The following screen appears.



- 3 Select the archive drive you want to use and click Next. The Archive Options screen displays:



- 4 Click Back up images to (selected drive) to archive video. You are now prompted to choose an archive mode.



If you select Back up while recording, refer to While Recording on page 25. Or, if you prefer to Stop recording and back up now, refer to After Stopping Recording on page 27.

Note

Backing up images is disabled during combined storage device/network archiving.

While Recording

- 1 Select Back up while recording to archive in the background.

Note

If you are using a tape drive, you must wait until the tape drive's lights stop blinking before continuing to the next step.

- 2 Click Next. The following screen displays:



- 3 Click Next to proceed. You are prompted with the following screen:



Note

The option to use a different drive is not available if you are using a tape drive.

- 4 Make your selection and click Next to continue, or select Cancel.

Whilst backing up and recording simultaneously, you can select to Stop image backup or Play restored images from the database, as shown below:



Otherwise, the backup commences until the storage device selected is full, as illustrated below:



- 5 Click Close to finish.

After Stopping Recording

- 1 Click Stop recording and back up now to stop recording and back up immediately, in the foreground. The unit interrupts normal operation and does not record any images during the backup.

Note

If you are using a tape drive, you must wait until the tape drive's lights stop blinking before continuing to the next step.

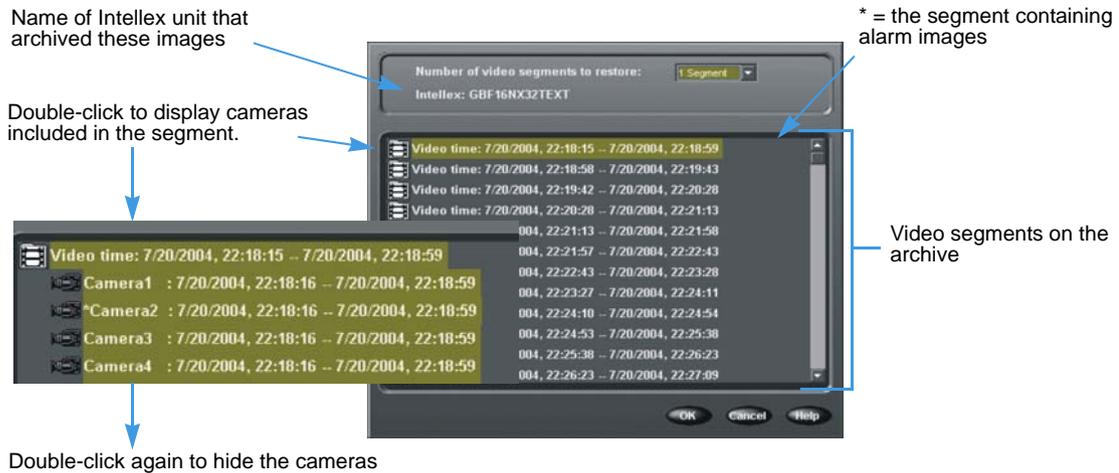
- 2 Click Next. The following screen displays:



- 3 Click Finish to close once the backup is complete.

Restoring Images from a storage device

- 1 Click Restore images from (selected drive) to copy images from a storage device to the system.



- 2 Select a video segment to restore.
- 3 Press to select the number of segments to restore.
- 4 Click OK. Follow the prompts.

Playing Restored Images

- 1 Click Play restored images to review images that were copied from a backup storage device to the system.
- 2 Follow the prompts.

Resetting Archive Flags

- 1 Click Reset archive flags to make all files in the database available for archiving.

2 Follow the prompts.

Note

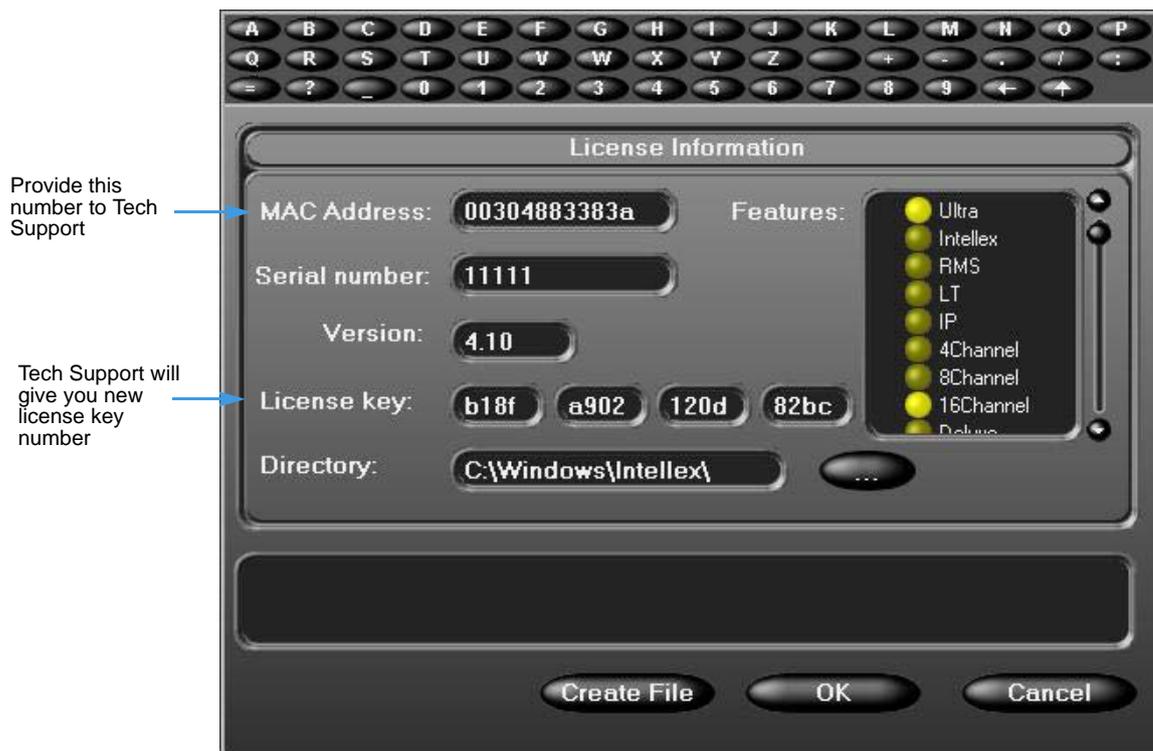
Reset archive flags is disabled during combined storage device/network archiving.

Updating License Information

To upgrade your license information:

- 1 From the Utility Options, click About Intellex, then System.
- 2 Click Upgrade, and the License Information screen appears.
- 3 From the Features box, you can select the product type:
 - Ultra
 - Intellex
 - RMS
 - LT
 - IP

Depending on the product you select, you can then select the number of cameras (4, 8, or 16) and features (Deluxe or Premier) associated with that product.



- 4 To get a new license key for the upgrade, call Tech Support, and supply the MAC Address. They will provide you with the new license key number. Click Create File to create the upgrade.

Advanced Features

To configure security, see the Intellex Installation and Configuration Guide. The system administrator must grant privileges to access, set, or change features.

The Two Man Rule

The Two Man Rule feature provides enhanced security restrictions to:

- Playback (individual cameras)
- Export (individual cameras)
- Exit to System
- Security

When the Two Man Rule is applied to the above features, access to each one requires authorization from a second user. Access to the feature is permitted only if there are two separate users. Both users must have valid access rights and privileges for each feature. When the Two Man Rule feature is enabled the second user must either:

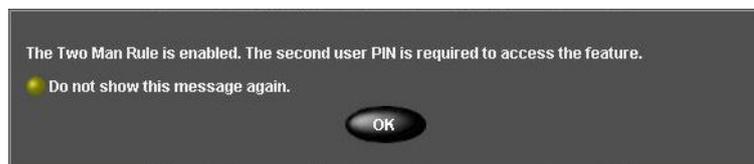
- log in from the Utilities Options menu, or,
- enter their PIN.

Logging In a Second User

- 1 From the main screen click Utility and select the Two Man Log In option.

OR

Click OK in the message below. This message opens when you try to access a feature and the Two Man Rule is applied, but the second user is not logged into Intellex.



Note

Select the Do not show this message again option button to disable this message.

- 2 Enter the 1- to 8-character PIN (Personal Identification Number) code the system administrator assigned. Click  to erase an entry.



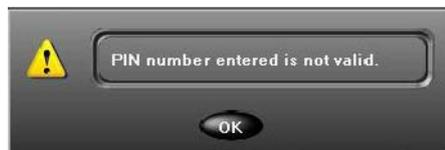
Note

You cannot enter the PIN of the primary user's account. If you try to enter the same PIN the following warning message opens. Click OK to enter another PIN.



- 3 Click OK.

If a valid PIN is entered the second user is now logged into Intellex. All features protected by the Two Man Rule that both users have privileges to can now be accessed by the primary user. If a valid PIN is not entered a warning message opens:



Note

The second user remains active until you log off the second user or Intellex autolocks. When Intellex autolocks and you (primary user) log back into Intellex you will still have access complete your current task. However, to access another feature you will require a second user's PIN or a second user to log in again via the Utilities Options menu.

Logging Off a Second User

- 1 From the main screen click Utility.
- 2 Select the Two Man Log Off option.

The second user is logged off from the Intellex.

Note

The primary user will not have access to features with the Two Man Rule applied. When the primary user tries to access these features they will be denied access and prompted for a second user's PIN.

Searching for Video Segments

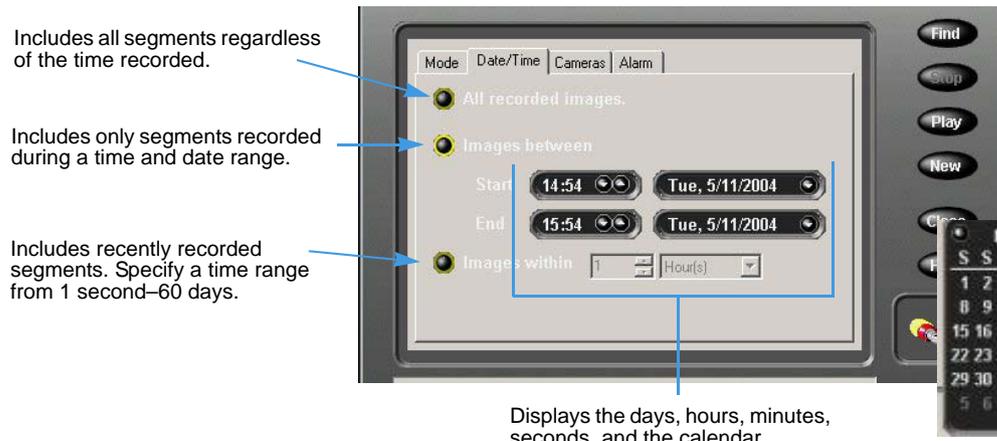
Use criteria including Date/Time, Filters, and Text to search the image database and text streams. From the main screen, click Search.



- Creates a search using your criteria. Any matches appear in a list.
- Interrupts the search. The list includes segments found before the interruption.
- Plays a segment that is highlighted in the list of results.
- Clears your criteria.

Searching by Date/Time

Click the Date/Time tab to search within a specific period.



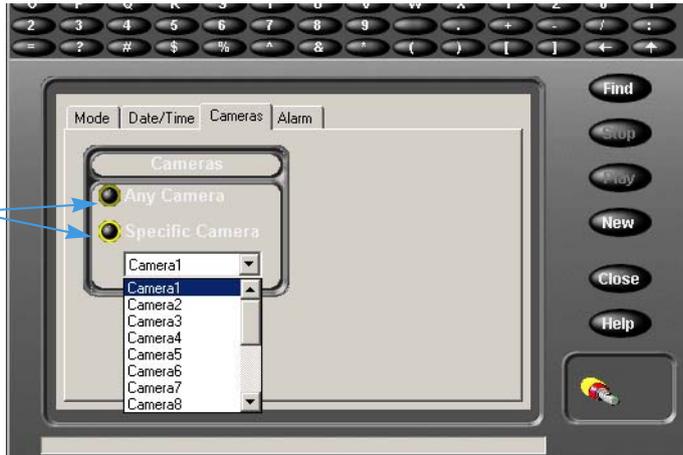
- Includes all segments regardless of the time recorded.
- Includes only segments recorded during a time and date range.
- Includes recently recorded segments. Specify a time range from 1 second–60 days.

Displays the days, hours, minutes, seconds, and the calendar.

Searching by Camera

Click Cameras to search for segments by camera.

Include segments from all cameras or a specific camera in the search.



Searching by Alarms

Click Alarms to search for segments based on alarm information.

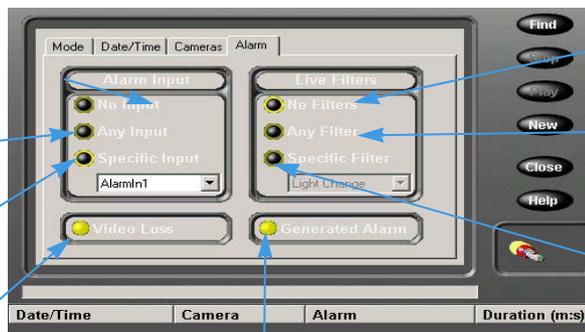
Includes segments regardless of alarm input.

Includes any segments with an alarm input.

Includes segments with a specific alarm input.

Includes all video loss segments.

Includes all segments with generated alarms.



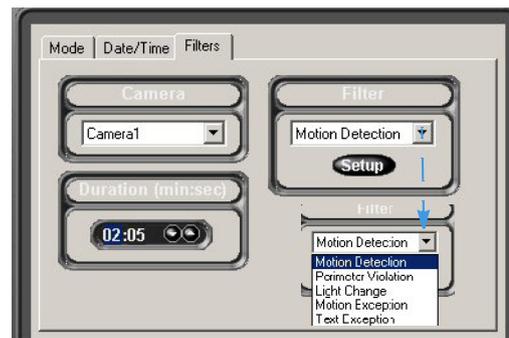
Includes segments regardless of filter criteria.

Includes segments that were recorded because a filter was triggered.

Includes any segments that were recorded because a specific filter was triggered.

Searching Using Filters

- 1 From the Search Mode page, click With Image Filters.
- 2 Click the Filters tab.
- 3 Select a camera.
- 4 Set the length of time that search should skip ahead after a qualified video segment is found.
- 5 Select the type of filter to search for in the database.
- 6 Click Setup to configure the filter.



- 7 To define the filter's target area:
 - a When the Activate button is illuminated (default), move the cursor over the image area.
 - b Draw the filter boundaries by clicking and moving the mouse to each corner of the target area and clicking again.
 - c After enclosing the target area, click again to fill shape.
 - d Click the Deactivate button to create a hole in the target area.
- 8 Set the sensitivity level.



Note

Sensitivity is based on the size of the highlighted area. At higher sensitivity settings, smaller changes trigger the filter. At lower settings, larger changes are required to trigger the filter. Therefore, a large area may require a higher sensitivity for a small amount of movement.

- 9 Click Apply.

Searching Using Text Associated with Cameras

- 1 From the Search Mode page, click Text Streams. The search dialog displays criteria tabs: Date/Time, Text Streams, and Text Criteria.
- 2 Select String Search or Advanced Search (does not apply to Intellex IP). The displayed tabs depend on the text search selected. Advanced Search adds the Receipt Definitions tab.

Searching by String

You can search for any string associated with the Intellex or camera.

- 1 Select String Search.
- 2 Select the Date/Time tab.
- 3 Enter Date/Time criteria (optional).
- 4 Select the Text Streams tab to enter text stream criteria. You can:
 - Select Any Text Stream to search all text streams on the Intellex unit
 - Select Specific Text Stream. Select a stream from the list.
- 5 To define your search, click Text Criteria.

Advanced Searches

- 1 Select Advanced Search.
- 2 Select the Date/Time tab.
- 3 Enter Date/Time criteria (optional).

- 4 Select Text Criteria (optional). This screen displays text exceptions.

Text Options

Configure the Intellex unit to record text streams associated with cameras.

Adding, Editing, or Deleting a Text Stream

- 1 From the main screen, click Setup. The Setup Options screen appears.
- 2 Click Text. The Text setup screen appears.
- 3 Click Delete to eliminate a text stream. Click Add or Edit to define or modify a text stream, and the Text Source screen appears.

The screenshot shows a software interface for configuring a text stream. At the top, there are four tabs: 'Text Source', 'Camera Associations', 'Alarms', and 'Receipt Definitions'. The 'Text Source' tab is selected. Below the tabs is a header labeled 'Text Source'. The main configuration area contains three rows of controls: 'Name:' with a text input field containing 'AD5'; 'Type:' with a dropdown menu currently set to 'General Text'; and 'Connection Type:' with a dropdown menu currently set to 'COM Port'. To the right of each dropdown menu is a 'Setup' button. At the bottom of the window, there are three buttons: 'OK', 'Cancel', and 'Help'.

- 4 In the Name box, enter a name for the text stream.
- 5 From the Type drop-down box, select a handler type.
- 6 To define a serial text stream:
 - a From the Connection Type drop-down box, select COM Port.

- b Click Setup next to the Connection Type box. The Setup Serial Text Stream Options screen appears. Select an option from each list. Defaults are shown. Then click OK.

Rate of data transmission →

Word size →

Setup Serial Text Stream Options

COM Port: Unassigned

Bits Per Second: 1200

Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: None

OK Cancel Help

OR

- 7 To define an IP text stream:
- From the Connection Type drop-down box, select IP Port.
 - Click Setup next to the Connection Type box. The Setup TCP/IP Text Stream Options screen appears.

Setup TCP/IP Text Stream Options

Text Stream TCP/IP Port: 5100

System Information

Network Name: TECHPLUBS-NTLX

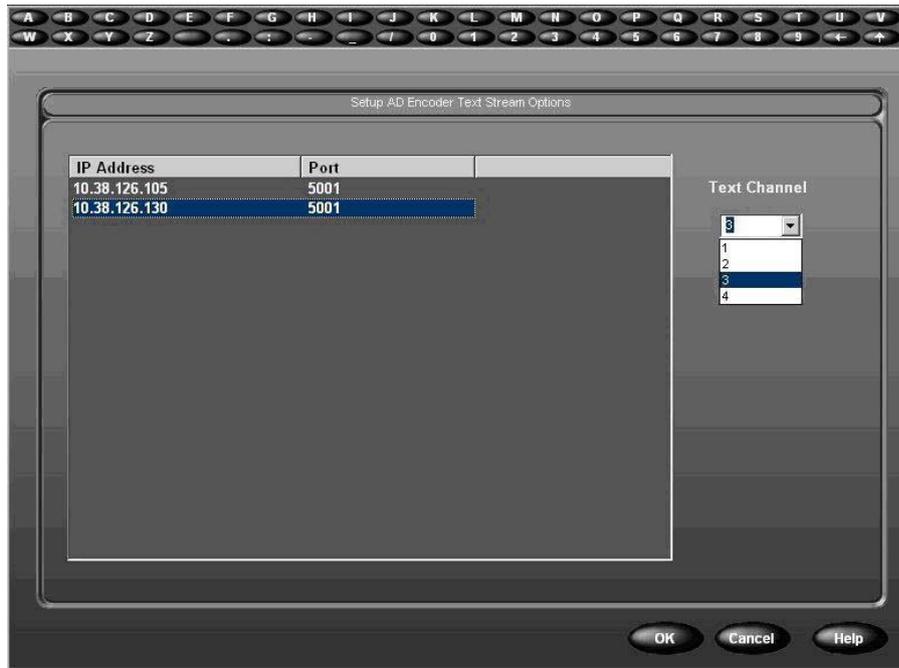
IP Address: 10.64.240.4

Used Text IP Ports:

OK Cancel Help

OR

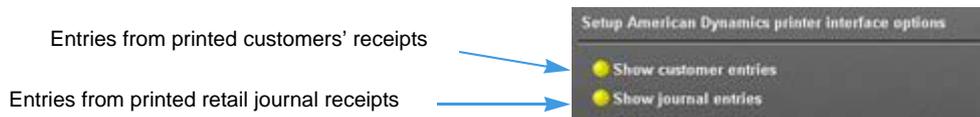
- 8 To define an AD IP Encoder text stream:
 - a From the Connection Type drop-down box, select AD IP Encoder.
 - b Click Setup next to the Connection Type box. The Setup AD IP Encoder Text Stream Options screen appears.



- c Highlight the IP address for the device which will be used for the text stream, then select the the text channel from the drop down menu. The text channel is the serial port on the IP Encoder that is receiving the incoming text stream.
 - d Select OK, the Text Source screen will be displayed.
- 9 Highlight a text formatter from the handler Type drop down menu.
- 10 Click Setup next to the handler type to access a printer interface.
- 11 For the General Text handler, enter an end-of-line delimiter to display text lines from a receipt.
 - Click Default to reset the box definition to default 0D 0A. Click OK.



- For the American Dynamics handler, select one or both options to record and display entries. Click OK.



Associating Text Streams with Cameras

- 1 From the Text setup screen, select the Camera Associations tab.
- 2 Click one or more cameras to associate with this text stream.



Generating Receipt Definitions

- 1 From the Text setup screen, select the Receipt Definitions tab.
- 2 Click Build Receipts to create and remove receipt definitions.

Adding, Editing, Deleting, or Importing Receipt Definitions

From the Receipt Definitions screen, click an option:

- Add or Edit selects or configures a receipt definition.
- Delete
- Import imports a file containing text receipt definitions.
- Export exports checked receipt definition entries to a specified file.

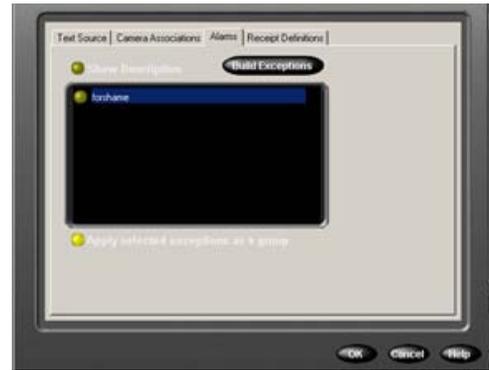


Generating Text Alarms

- 1 From the Text setup screen, select the Alarms tab.
- 2 Click Apply selected exceptions as a group to generate an alarm for a receipt. This operation applies to text as Intellex receives it from some text device. These conditions must be met:
 - You selected at least two receipt definitions.
 - A receipt definition marker is found in the current receipt.
 - All selected text exceptions report a match for the current receipt.

Or deselect Apply selected exceptions as a group to generate text alarms on individual text exceptions.

- 3 Click Build Exceptions to generate advanced text exceptions. The Advanced Text Exceptions screen appears.



Using Advanced Text Exceptions

- 1 From the Advanced Text Exceptions screen, click Add or Edit to create or modify a text exception.
- 2 Enter an exception name.
- 3 Enter a match, or cut and paste from the Transaction Data pane.
- 4 From the Search Direction box, select Forward (default) or Backward.
- 5 From the Jump N Results box, select the number of words to skip, after a match is found, to find the associated value. Default = 0.

OR

From the Jump N Results box, select To last entry of line to skip a variable number of entries between the last match and the text value in a receipt.

6 From the And Value is box, select an option to return these results:

Option	Results
Less Than	< Value 1 setting
Greater Than	> Value 1 setting
Equal To	= Value 1 setting
Between	Values between Value 1 and Value 2 settings
Found	Any results found
A String	A series of characters in Value 1 box

- 7 Click Delete to remove the highlighted text exception.
- 8 Click Import to import a specific file containing text exceptions.
- 9 Click Export to export highlighted exceptions to a specified file.

Advanced Searching with Motion Exception

Motion exception searches for an event or activity by position, size, direction, and speed of a moving object. Its parameters filter live video or search recorded video to find an event or activity. After applying motion exception parameters, any object meeting your criteria in the target area triggers an alarm.

- This feature applies to the Premier model only.
- On Intellex DVMS and LT, you can configure motion exception on up to 16 cameras. On Intellex Ultra, you can only configure motion exception on up to 8 cameras.
- Motion exception cannot operate if the scheduled record rate is less than 7 ips.
- Motion exception requires a fixed camera or a dome in non-moving (fixed position) mode.
- You can configure one or more motion exception target areas at a time.
- Do not use Auto Rate Mode to configure recording rates when using motion exception filters for alarm generation or search. Always use Camera Selectable Rate Mode and set the minimum rate to 7.5 ips (6.25 for PAL) on cameras using motion exception filters.

Motion Exception vs. Motion Detection

Motion exception:

- Is more effective in performing what if searches.
- Performs detailed motion searches.
- Defines multiple regions of interest in various sizes.
- Specifies size, direction and speed of an object for detection.

Motion detection:

- Reacts to an image within the region of interest.
- Detects any motion that occurs.

Important differences in sensitivity:

Function	Motion Exception	Motion Detection
Reacting to images	Analyzes many images before reacting	Reacts image to image
Best location	Outdoors	Indoors
Best position of the camera	Far from the movement	Close to the movement
Alarms	Likelier to miss alarms, especially in low light	Likelier to generate false alarms, especially in low light
Finding motion while searching	Likelier to find specific motion	Likelier to find any motion
Narrowing the filter or search	Use specific tools	Use the Sensitivity adjustment
Effectiveness	Limited to specific camera views	Effective on most camera views

Neither is effective in low light.

For successful motion exception:

- A faster recording rate is better than a slower one.
- Draw one or more target areas to exclude extraneous activity.
- A target area near the center is better than one near the side.
- Do not increase the target object's size or speed unless required.
- Good quality video feeds are essential.

Standard motion detection can generate many false alarms, as well as valid alarms. Motion exception produces fewer, more detailed alarms than motion detection.

To assess motion filter effectiveness for a single camera:

- 1 Loop the camera's signal to an unused input (make sure to set the termination properly).
- 2 Use motion detection on one input and motion exception on the other.
- 3 Observe the results of both methods and make changes as needed.

To perform a comprehensive search for all types of motion in recorded video, use both methods on the same camera.

Searching by Motion Exception

- 1 From the main screen, click Search.
- 2 Select With Image Filters.
- 3 Click the Filters tab.
- 4 Select a camera from the Camera menu.
- 5 Select Motion Exception from the Filters menu. Select a duration (optional).
- 6 Click Setup.

Note

Alternately, access Motion Exception from the Setup menu to trigger an alarm during live video. See the Intellex Installation and Configuration Guide.

Setting Up the Target Area

- 1 Select the target area's shape from the draw zone list.
- 2 Click and drag to form the target area. Custom shapes must form an enclosed boundary.

Active zones have scrolling borders.
Click a target area to activate it. Right-click to deactivate it.

Draw Zone: Defines a target area for an alarm or filter. You can draw multiple areas. Areas can overlap, but not completely.

Select shape type: rectangle, ellipse, or custom.

Inactive zones have static borders.

Returns to the default setting for the selected target area.

Removes the selected target area.

- 3 Configure additional target areas (optional).

To use the default settings for size, speed and direction:

- 1 Draw target area(s).
- 2 Click Test to try motion exception filters you configured. The Test Alarm radio button blinks when an object meeting your configuration criteria moves through the target area.
- 3 Click Apply.

The default settings trigger an alarm for any motion in the target area.

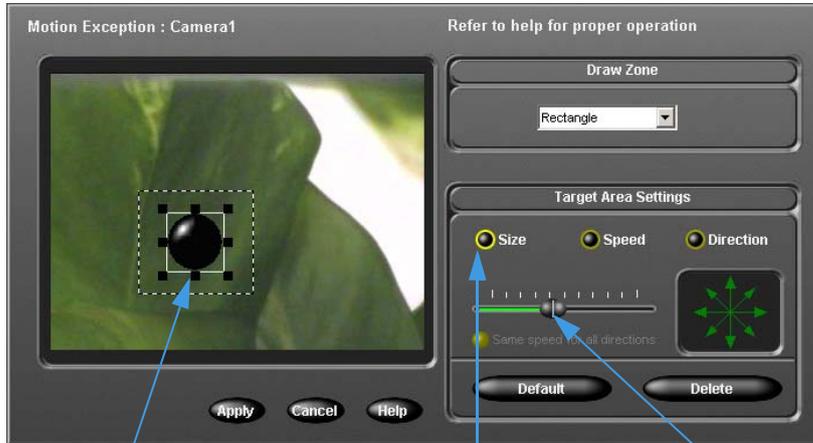
Reduce the number of objects that trigger alarms by adjusting the target area settings.

Adjusting Target Area Settings

Your camera's environment and placement can cause wide variations in recorded video. When using motion exception, configure several filters for each camera. These filters account for the size and speed of different objects, environmental variation, and unwanted object motion.

Determining Minimum Object Size

Click Size to change the default size of an object. An object larger than the selected or default size triggers the alarm.



Target area with a sizing object. Drag its handles to change the object's size and aspect ratio.

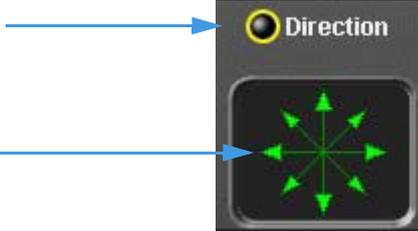
Changes the minimum size of an object that triggers an alarm.

Preserves the aspect ratio as size is adjusted.

Specifying an Object's Direction

Direction arrows are 45° apart. When you enable multiple directions, you expand the directions in which you track the object. To account for variations when searching in one direction, select more than one arrow within the directional range.

Click to activate direction arrows



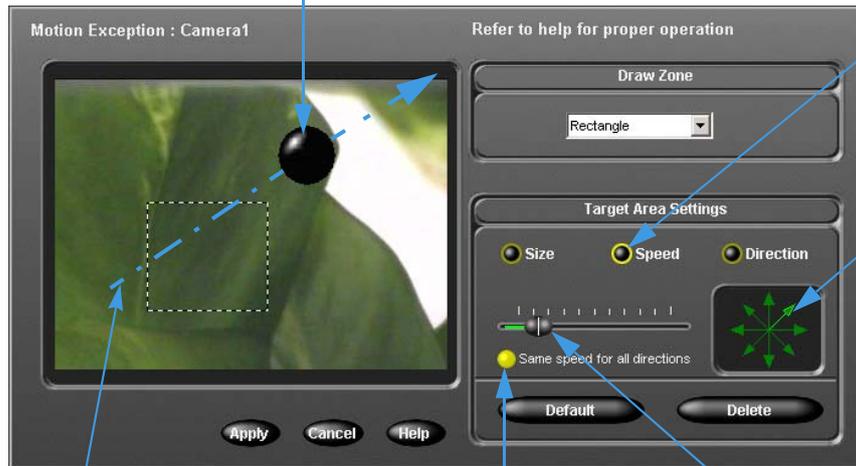
Click one or more arrows to activate (highlight) or deactivate (gray out) a direction

Specifying an Object's Minimum Speed

Click Speed to change an object's default speed. Objects moving faster than the selected speed trigger the alarm. The default direction is every direction.

An object moves through the draw zone and target area in the specified direction at the indicated speed.

When you click Speed, the object moves in the active direction and loops through the zone at the selected speed.



Click the arrows to indicate another direction. Grayed out arrows indicate a direction is disabled.

A dashed line indicates the direction the object is moving. (Corresponds with direction arrow.)

Apply speed adjustments uniformly to all directions.

- > faster
- < slower

Environmental Factors

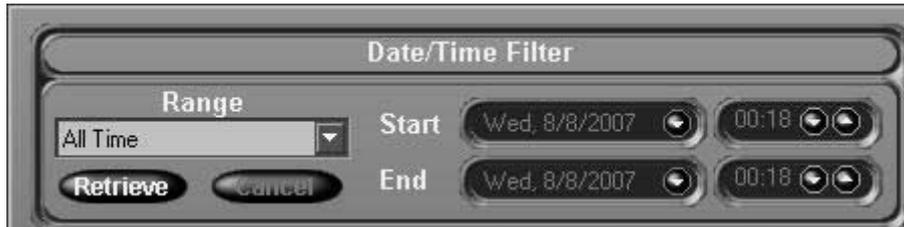
When using motion exception, consider:

Factor	Comment/Recommendation
Background motion	Select a location with no continual background motion. For example, do not place the camera facing trees moving in the wind, a high traffic roadway, a TV monitor, etc.
Lighting	Sudden lighting changes, such as turning lights on or off, may trigger unwanted alarms.
	Avoid low light and harsh shadows.
	Too little contrast between an object and its background is usually due to poor lighting.
Objects moving too fast	Because Intellex interprets changes in an object's position over time, a fast-moving object may not be tracked accurately.
Reflections	Reflections of objects in windows, mirrors, or other surfaces are interpreted as other objects. If possible, place the camera so that there are no reflective surfaces in the camera's view.

Factor	Comment/Recommendation
Occlusions and obstructions	<p>Set up the camera such that no objects totally block (occlude) objects of interest in the camera's view.</p> <p>When someone walks behind something that totally blocks that person in the camera's view, Intellex predicts where the person will be next based on his speed when last seen.</p> <p>The more a person is blocked in the camera's field of view, the more prediction errors may occur. The Intellex can easily track a man walking behind a tree at a constant velocity, but not a man walking behind a building at a changing speed.</p> <p>An obstruction may partially block the camera's view; for example, a man walking behind a car may appear to be missing his lower body, and the Intellex notices that the size of the object that it was tracking has suddenly changed.</p> <p>When you configure alarms based on the size of an object, note that even a partial or temporary obstruction may lessen the reliability of alarms.</p>
Camera's recording rate	If the rate drops below 7 ips, the reliability of object tracking is reduced.
Moving objects in the camera view on startup	Tracking quality is reduced until the Intellex unit can determine which elements are in the background and which are moving objects.
Camera's location	In a busy room, place the camera up high, with a 45–90° line of sight to the floor. If possible, aim the camera toward a motionless background.
Camera is too close to objects	A moving object must fit within 25% of the screen. Large objects are common indoors. Place the camera as far away as possible from the objects you are tracking.
Excessive video noise	Poor video feed or excessive signal boosting significantly reduce tracking quality.

Viewing an Activity Log

- 1 From the main screen, click Utility. The Utility Options screen appears.
- 2 Click Activity Log to view activity a user performs on the Intellex after logging in.
- 3 From the Range box, select a time frame. If you select Specify, select start and end dates and times for the filter.



The image shows a 'Date/Time Filter' dialog box. It has a title bar 'Date/Time Filter'. Below the title bar, there is a 'Range' dropdown menu set to 'All Time'. To the right of the 'Range' menu are 'Start' and 'End' fields. Both 'Start' and 'End' fields are set to 'Wed, 8/8/2007' and '00:18'. Below the 'Range' menu are two buttons: 'Retrieve' and 'Cancel'.

- 4 Click Retrieve to see all activity meeting your criteria. Modify the results by defining User, Category, and Activity.



The image shows an 'Activity Filter' dialog box. It has a title bar 'Activity Filter'. Below the title bar, there are three dropdown menus: 'User' set to 'All', 'Category' set to 'Surveillance', and 'Activity' set to 'Export'.

Annotations for the log viewer interface:

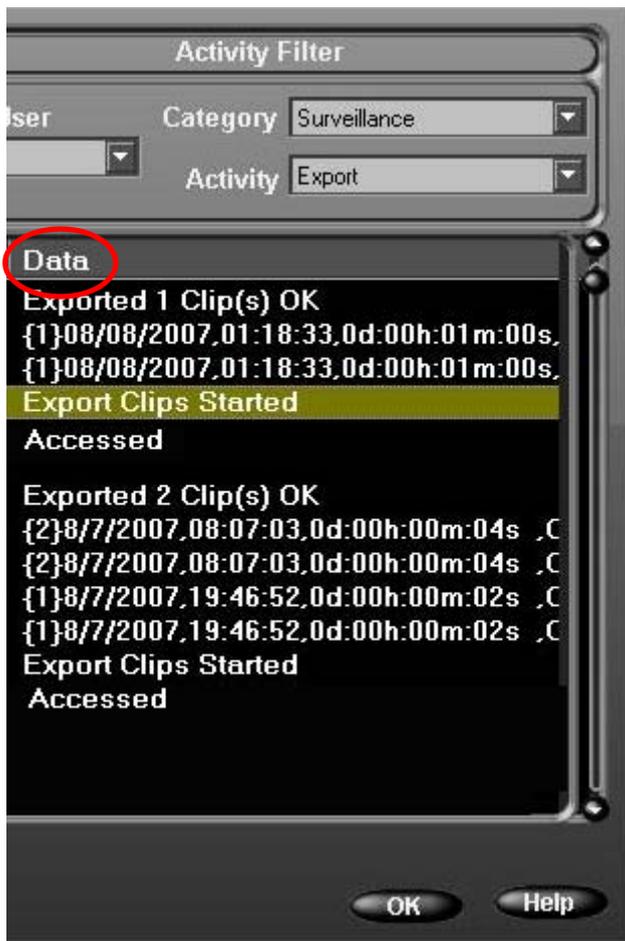
- Login name of the user and time the action was performed (points to User Name and Date/Time)
- Whether action was local to Intellex or done through Network Client or other remote software (points to Access Loc)
- The action's category (points to Categ...)
- Action within the category (points to Activity)
- Describes the activity (points to Data)

User Name	Date/Time	Access Loc	Categ...	Activity	Data
Administr...	8/8/2007, 03:18:32	PC-GX620-202	Survei...	Export	Exported 1 Clip(s) OK
Administr...	8/8/2007, 03:17:31	PC-GX620-202	Survei...	Export	{1}08/08/2007,01:18:33,0d:00h:01m:00s,
Administr...	8/8/2007, 03:17:31	PC-GX620-202	Survei...	Export	{1}08/08/2007,01:18:33,0d:00h:01m:00s,
Administr...	8/8/2007, 03:17:30	PC-GX620-202	Survei...	Export	Export Clips Started
Unknown	8/8/2007, 03:10:26		Survei...	Export	
Unkown	8/8/2007, 03:09:19	Unknown	Survei...	Export	{1}08/08/2007,02:08:42,0d:00h:01m:00s,
Unkown	8/8/2007, 03:09:19	Unknown	Survei...	Export	{1}08/08/2007,02:08:42,0d:00h:01m:00s,
Unknown	8/8/2007, 03:09:18		Survei...	Export	
Unknown	8/8/2007, 03:08:50		Survei...	Export	
Unknown	8/8/2007, 03:07:46		Survei...	Export	
Administr...	8/8/2007, 00:17:27	Local	Survei...	Export	Exported 2 Clip(s) OK
Administr...	8/8/2007, 00:17:27	Local	Survei...	Export	{2}8/7/2007,08:07:03,0d:00h:00m:04s ,C
Administr...	8/8/2007, 00:17:27	Local	Survei...	Export	{2}8/7/2007,08:07:03,0d:00h:00m:04s ,C
Administr...	8/8/2007, 00:17:24	Local	Survei...	Export	{1}8/7/2007,19:46:52,0d:00h:00m:02s ,C
Administr...	8/8/2007, 00:17:24	Local	Survei...	Export	{1}8/7/2007,19:46:52,0d:00h:00m:02s ,C
Administr...	8/8/2007, 00:17:22	Local	Survei...	Export	Export Clips Started
Administr...	8/8/2007, 00:16:40	Local	Survei...	Export	Exported 1 Clip
Administr...	8/8/2007, 00:16:40	Local	Survei...	Export	{1}8/7/2007,19:46:52,0d:00h:00m:02s ,C
Administr...	8/8/2007, 00:16:40	Local	Survei...	Export	{1}8/7/2007,19:46:52,0d:00h:00m:02s ,C
Administr...	8/8/2007, 00:16:38	Local	Survei...	Export	Export Clips Started

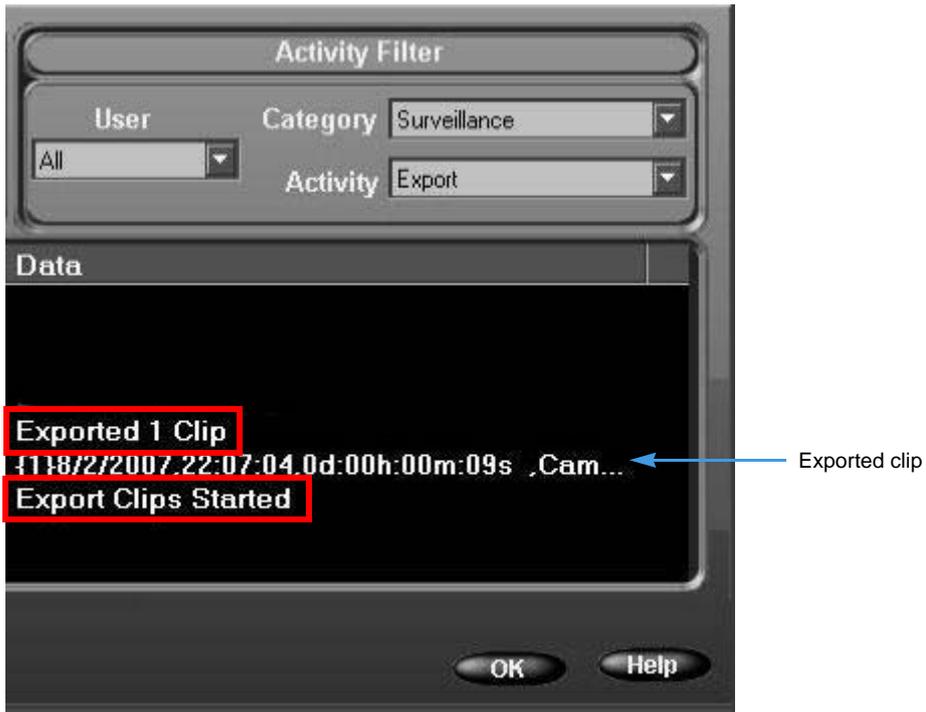
Control Buttons and their functions:

- Export**: Exports the entire log to a file
- Export Display**: Exports the displayed log to a file
- Print**: Prints all the entries; may print remotely through third party software (shows IP address)
- Print Display**: Prints only the entries visible on the screen
- OK**: Standard confirmation button
- Help**: Access to help documentation

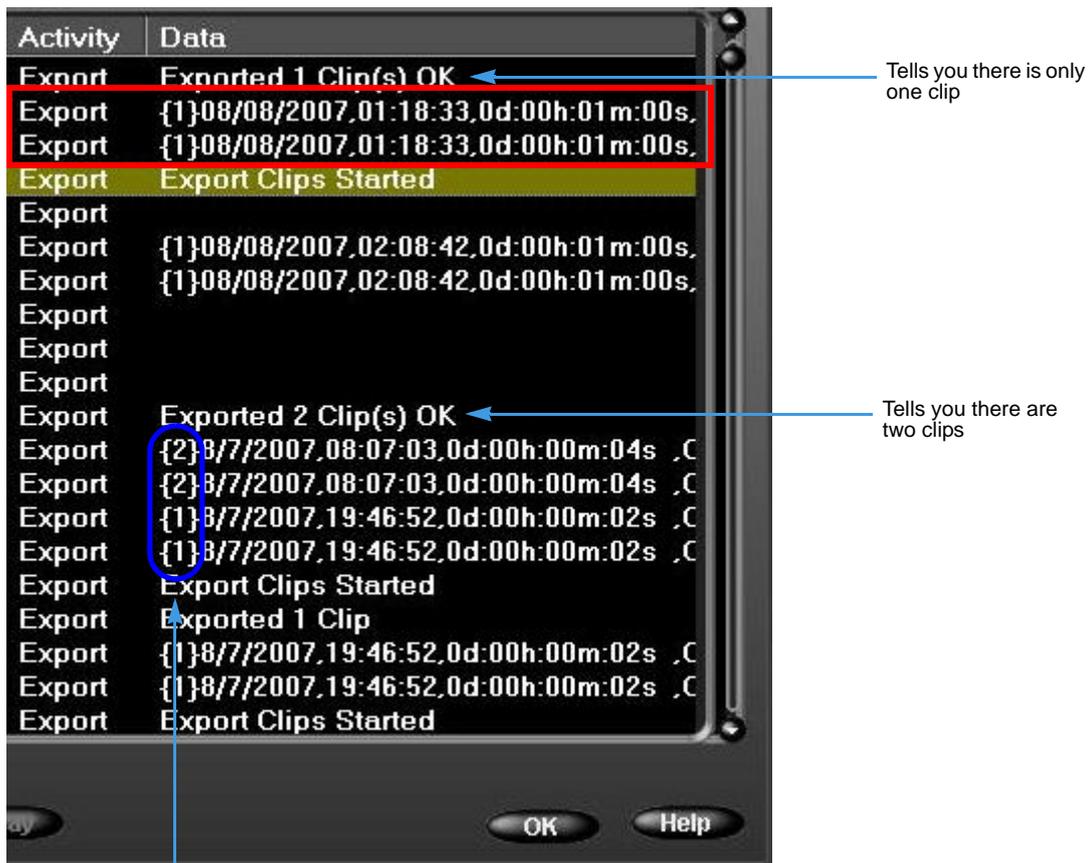
The Data section describes what a user has done, for example, accessing the Activity Log or exporting clips. In the case of an export it lists the number of the clip in braces ({}), its date, followed by its start time and duration, and then the camera names involved in the clip.



If the data is an export it will include two lines of textual information: "Export Clips Started" and "Exported N Clip(s)". In between these lines will be details of the actual clip(s).

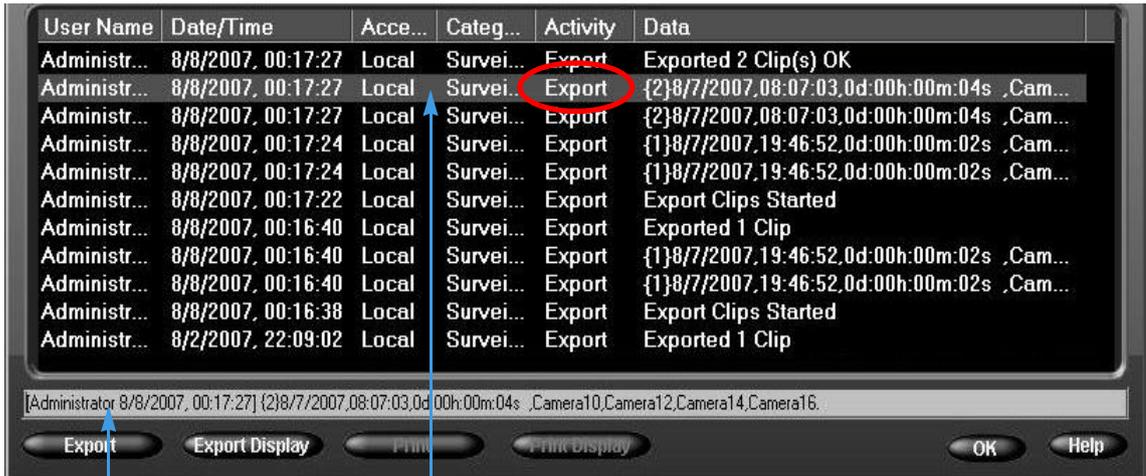


If a clip involves more than eight cameras it will comprise two adjacent lines with the same date, start time and duration. They will also have the same number inside the braces at the beginning of the Data line.



Tells you what number the clip is within the export. If clip 1 is exporting more than eight cameras then you will see two lines of information, as displayed above, beginning with the number 1 in braces. Similarly, if clip 2 is exporting more than eight cameras, then you will also see two lines, beginning with the number 2 in braces.

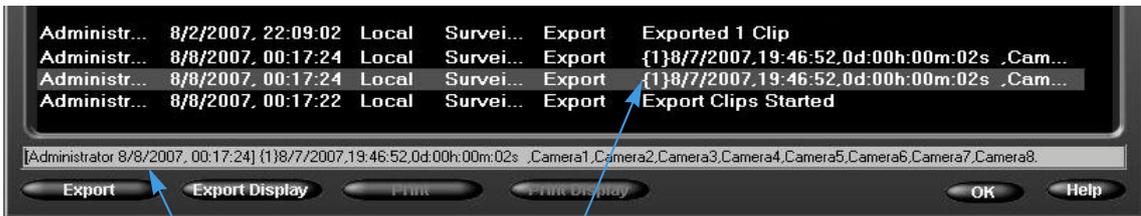
When you click on an exported clip the highlight will turn gray (as opposed to green), and the Audit Bar will appear at the bottom of the screen.



Audit bar

Highlight

The font in this bar is smaller, and it is scrollable. It contains the same information as the highlighted line.



First clip contains eight cameras (1-8)

Audit Bar, showing the user name and date and time they exported the clip in square brackets, followed by the number of the clip in braces. Next information is the date, start time and duration of the clip, followed by a list of the camera names (which are given by an administrator). You can see that line one of clip one contains cameras 1 to 8.



Second clip also contains eight cameras (9-16)

Audit Bar, showing the user name and date and time they exported the clip in square brackets. Next information is the date, start time and duration of the clip, followed by a list of camera names (given by an administrator). You can see Cameras 9 to 16 on the second line.

- 5 You can export or print either the entire Activity Log or just what's displayed on the screen using the relevant buttons.



Enabling Remote Access Authorization

Enabling this feature provides Network Client password protection for this Intellex unit.

- 1 From the Setup Options screen, click Port Address.
- 2 Click to activate Remote Access Authorization. This enables secure access to video from the Network Client so only those Network Client users accessing live video with the correct user name and PIN are granted permission.

Note

You can only enable this feature when in Classic Security mode.

- 3 Click OK to confirm or Cancel.

S.M.A.R.T. Hard Drive Support

Intellex now offers a feature to monitor and anticipate whether a hard drive's health is failing, and if so, notify the user. This feature is called S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology). The drive attributes that Intellex monitors are manufacturer-specific, so these vary for each user's system. Problems include reliability, temperature, and volume errors. If one of these screens appear, click Storage Setup.

Solutions include:

- Replacing the affected hard drive as soon as possible.
- To correct a temperature problem, make sure that the ambient air temperature around the Intellex case is less than 35°C (95°F), the internal cooling fans are operating properly, and there is adequate air flow around the case.

Note

The system also alerts the user via E-mail notification when it has detected an unhealthy drive. Refer to Setting Up E-mail Notification in the chapter on Configuring the Intellex in the Installation and Configuration Guide.

Exiting Intellex

Since Intellex uses the Windows operating system, to configure the regional, mouse, time zone, network, printer, and language settings, you must exit to Windows. In addition, you must exit from Intellex to Windows to change PAL/NTSC settings.

Note

Windows screens appear in English, regardless of the language version of Intellex. Consult Microsoft Windows Installation instructions for setting the operating system to another language.

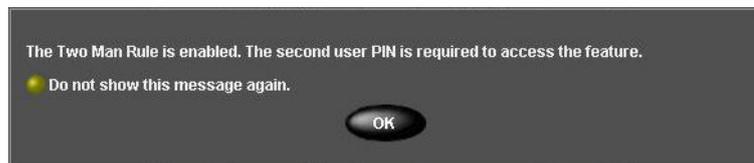
Exiting to Windows is a protected feature. You must have the Exit to System privilege to access it.

Exiting to Windows

- 1 From the main screen, click Utility. The Utility Options screen appears.
- 2 Click Exit. A confirmation message appears.
- 3 Click Yes to exit to Windows. The Enter PIN Code screen appears.
- 4 Enter the system exit code. (Contact your dealer or system administrator for this code.)
- 5 Click OK to exit to the Windows operating system.

Note

If the Two Man Rule is applied to the Exit to System feature and a second user has not logged into Intellex a message opens:



Click OK. The Enter PIN dialog box opens. This message can be disabled by selecting the Do not show this message again option button. If the message is disabled the Enter PIN dialog box opens directly when you try to exit Intellex.

Enter the second user's PIN and click OK. You cannot exit Intellex unless the second user is different than the current user. The second user must have valid access rights and privileges to exit Intellex. For further information see The Two Man Rule on page 31.

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