

# ARCLAN'System

## USER MANUAL

**SOFTWARE**

**IP RECORD 2005**

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**ARCLAN'System**

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**User Manual**

**Ref : DUT-IPR2005- V1.42/2007/09**

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## **MAIN FEATURES**

### **1. INTRODUCING IP RECORD**

IP Record is a digital recorder software, running up to 32 IP cameras.  
With IP Record you can store on a 31 days max length period.

### **2. USER INTERFACE**

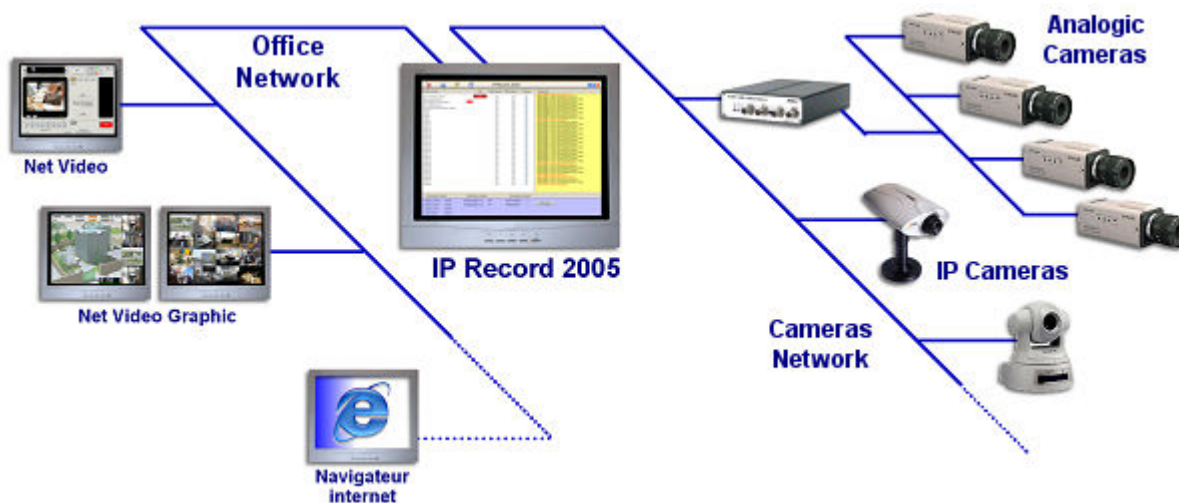
IP Record run on compatible PC computers with Windows OS according with Windows user interfaces standards.

### **3. SOFTWARE ORGANIZATION**

IP Record involves 3 software components :

- Parameters setting component : define cameras and recording modes
- Recorder component : control panel listing recording status
- Player component : replay recording sequences

**4. INSTALLATION SCHEMA**



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## SETTING MODULE

***ACTION :***

- Define IP Record managed cameras
- For each camera define a recording scheduler and recording trigger(s).
- Set up options : alarm sending, storage options....

***HOW TO :***

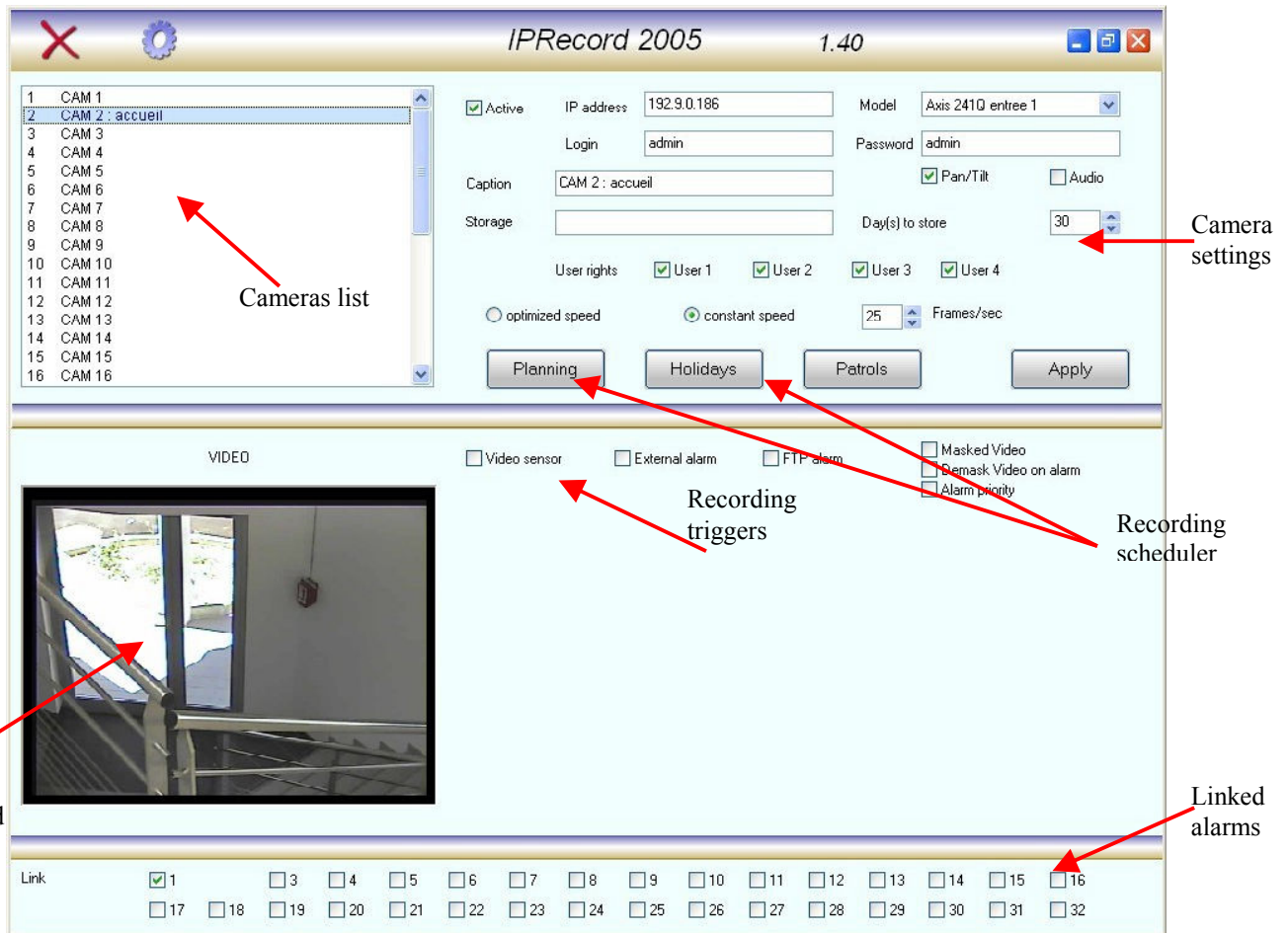
Run IP Record,

Access to the password protected options setting module (default password "**pass**"). You can modify the password in the options setting module.

Notice :

- Options setting module is only available for the administrator user
- The authentication process is case sensitive.
- If you fail to identify the authentication dialog is closed.

When administrator is logged in, the setting option dialog is opened :



## 1. CAMERAS SETTINGS

**ACTION :** For each camera, set camera characteristics : model, IP address, caption..., image user rights controlled access, recording scheduler, recording triggers, patrols (remote controlled cameras).

### **SETTING UP**

Choose a channel in the camera list and fill the following input fields :

#### **A. Main parameters**

- *Active* : check if you want to activate the camera, uncheck if not
- *IP Address* : Set camera or video server IP Address
- *Model* : Choose in the model list.
- *Login and Password* : to protect live or recorded video informations. Must match those defined in the camera or video server settings.
- *Caption* : input a short description. This name will be used to identify the camera.

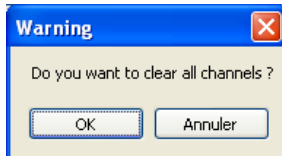
- *Storage* : specific storage directory for the selected camera. If none, default directory is used instead.
- *Day(s) to store* : set the storage period length. Length is limited to 31 days according to french legislation.
- *User rights*: grant users access for live or recorded images from this camera.
- *Optimized/ Constant speed*: recording speed. Choose between fixed or optimized recording (if fixed indicate frames per second).  
Notice : optimized speed is available on some cameras only.
- *Pan/Tilt* : remote controlled cameras only. Gives access to remote control, preset and patrol settings.

When done, click on the button  , to save changes.

Storage : when you change the storage directory, keep in mind that the purge of the former location will not be done further. Purge delete only older recorded sequences in the current directory. You will have to delete manually older recorded sequences under the former location.

### **Cancel Settings :**


Click in the camera list, right click and confirm when the following message is displayed :

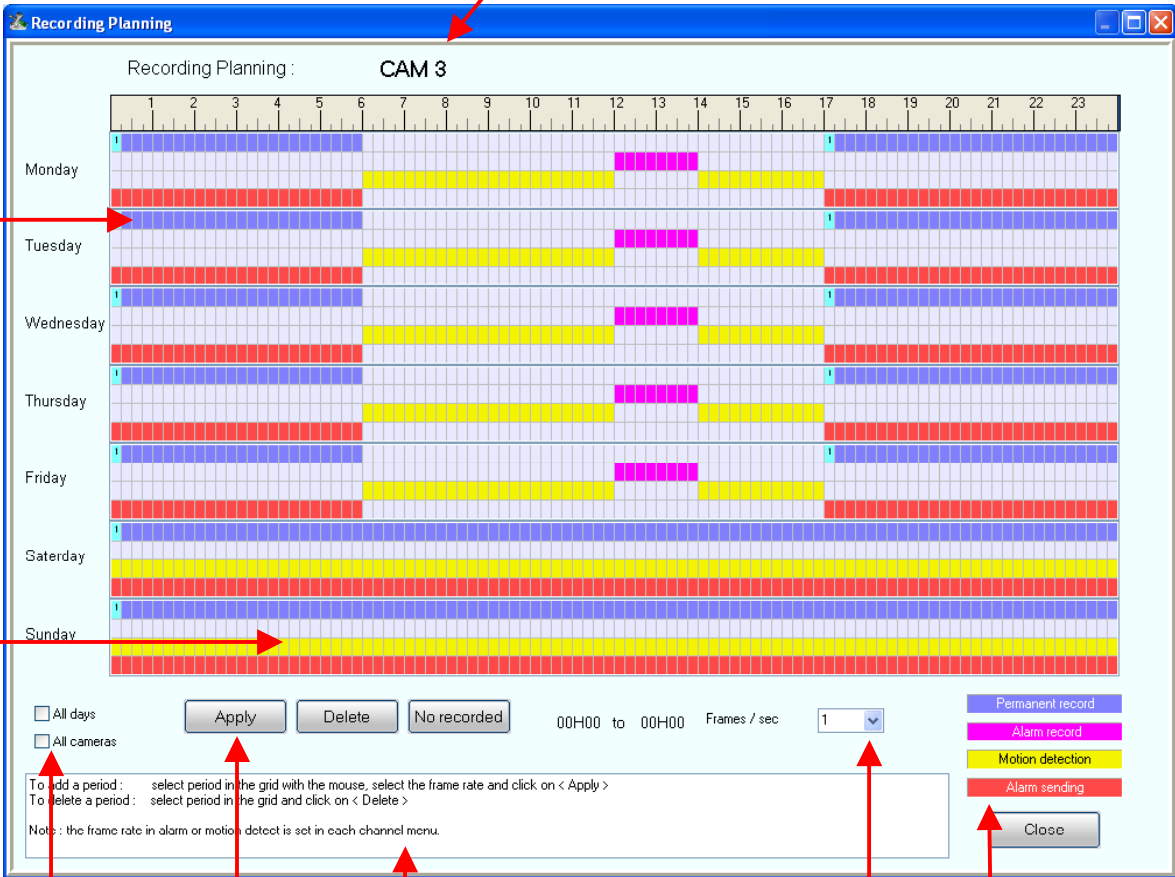


Click "OK" to validate and the software will reset (delete) all camera settings.

Beware : Undo is not available.

**B. Scheduler definition**

Click on the button  to define recording scheduler on the following screen :  
 Selected Cam



The screenshot shows the 'Recording Planning' window for 'CAM 3'. The window title is 'Recording Planning : CAM 3'. The main area is a grid with 24 columns (numbered 1-23) and 7 rows (Monday to Sunday). The grid is filled with colored blocks representing recording periods: blue for 'Permanent record', yellow for 'Motion detection', and red for 'Alarm sending'. Below the grid are several controls: checkboxes for 'All days' and 'All cameras', buttons for 'Apply', 'Delete', and 'No recorded', a time range '00H00 to 00H00', a 'Frames / sec' dropdown menu set to '1', and a 'Close' button. A legend on the right side maps colors to recording types: blue for Permanent record, yellow for Motion detection, and red for Alarm sending. Red arrows point from text labels to various parts of the interface: 'Defined recording periods' points to the grid; 'When you roll over a period special tips are displayed' points to the grid; 'Options' points to the checkboxes; 'Command buttons' points to the 'Apply' button; 'Help' points to the text area; 'Recording speed' points to the 'Frames / sec' dropdown; and 'Color code explanation' points to the legend.

**Notice :**

- Scheduler is a 15mn step grid.
- Recording speed depends on recording trigger.  
 For example, a camera can record with a 1 fps speed, (permanent recording), a record with a 10 fps speed if any motion is detected by the camera, and turn back to the initial 1 fps speed when alarm is resumed. For alarm mode and motion detection, recording speed is defined in the camera settings.

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## ***SCHEDULING***

To add a recording period :

- Click on the scheduler to choose a day and set the recording start hour :
- 1<sup>st</sup> line for permanent recording
- 2nd line for on alarm recording
- 3rd line for motion detection recording
- 4th line for alarm sending

Drag to set the recording end. Each case of the grid represent a  $\frac{1}{4}$  h step.

- Selected zone appears in dark blue.
- For a permanent recording, you must set the recording speed ; for other modes, speed is set with the other special mode options.
- Options :
  - Click on "All days" to apply same recording rules to other days of the scheduler on the same recording time selection.
  - Click on "All cameras" to apply same recording rules to all cameras.
- To save click on "Close"

To delete a period, select it, and click on the "Delete" button

On alarm, on motion detection recordings and alarm sending are described in chapter 2.

To enhance non undefined periods, click on "No recorded" ; these periods are displayed in dark blue, the others remain white as below :

Recording Planning : CAM 3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

All days

All cameras

Apply Delete No recorded 00H00 to 00H00 Frames / sec 1

Permanent record

Alarm record

Motion detection

Alarm sending

To add a period : select period in the grid with the mouse, select the frame rate and click on < Apply >

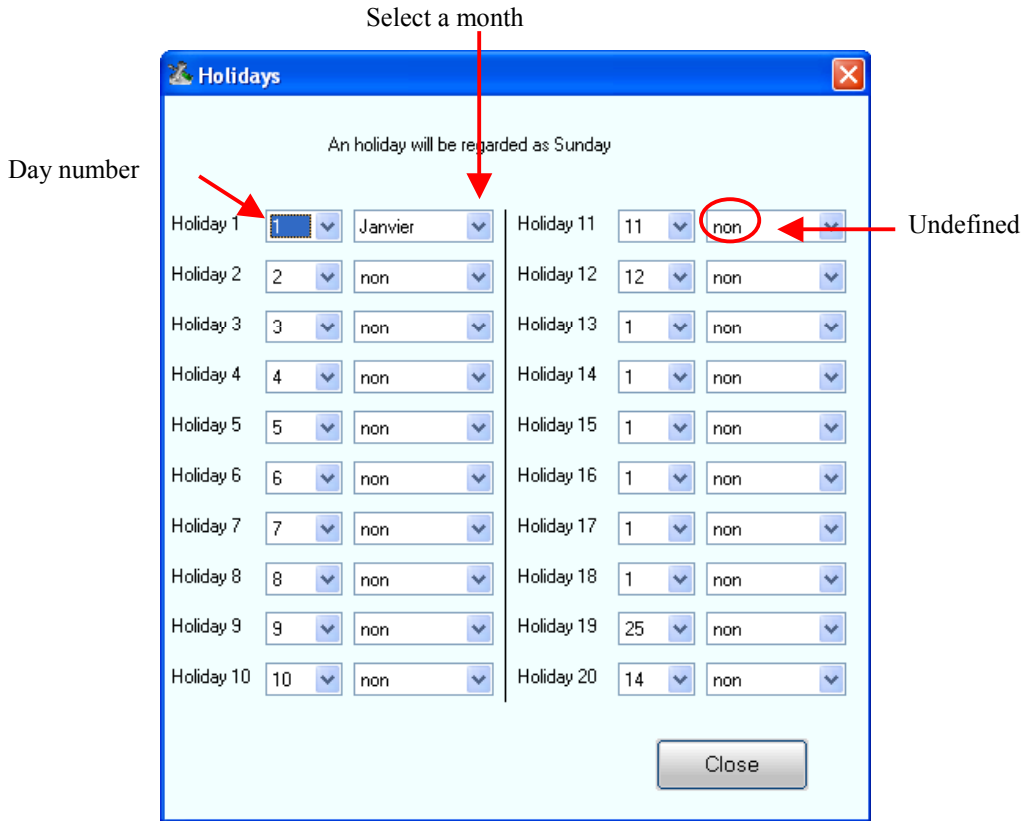
To delete a period : select period in the grid and click on < Delete >

Note : the frame rate in alarm or motion detect is set in each channel menu.

Close

**C. Public holidays setting**

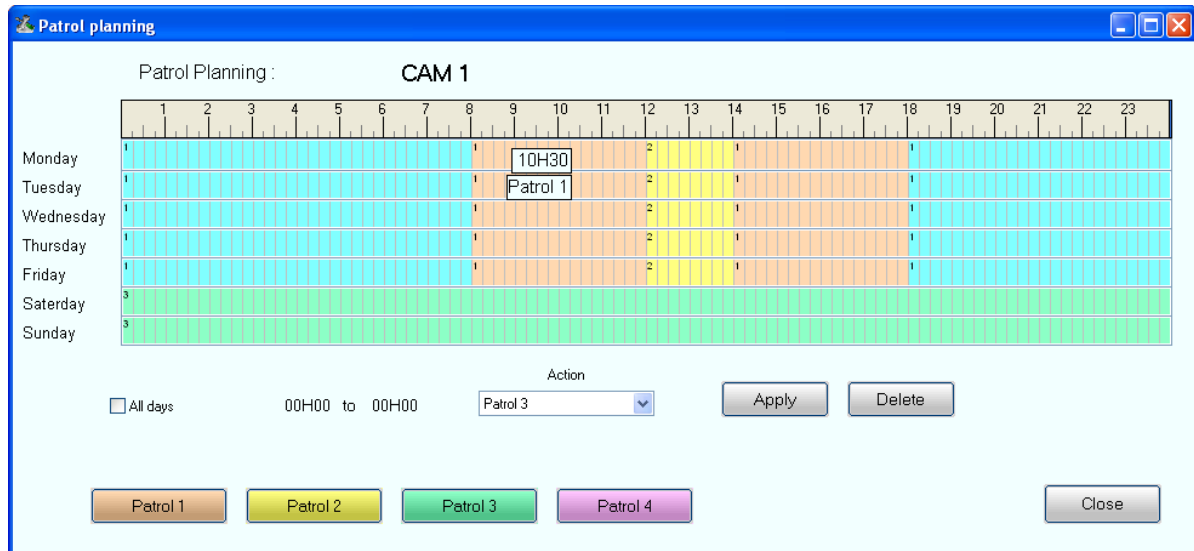
Click on the holidays “button” to display the following dialog box :



Public holidays follow the “sunday” scheduler settings.

### **D. Patrol settings**

For a remote controlled camera, you can define a scheduler using presets or automatic patrols.



Function is similar to recording scheduler. For each ¼h step you can set a preset or a patrol.

Notice : User operating has priority on automatic patrol. While a user controls « manually» the camera, automatic patrol is waiting.

If user stops sending commands to the camera, IPRecord 2005 reactivate the automatic patrol, if any, after a near 30 s delay.

NB : we do not recommend to use both remote control and motion detection in the same time for evident reasons. Any camera move would trip a motion detection alarm. Keep in mind that motion detection sensitive areas and settings rely on a particular camera positioning (Pan, tilt, zoom)...

**E. PTZ Patrol scheduler**

IPRecord can hold 16 presets per camera. A patrol is a preset sequence.

You can set up to 4 PTZ patrols.

for each preset set a time length in seconds. To skip a preset set time length to 0.

Notice : presets are stored in the camera memory only.

You can use a web browser configuration page by entering camera IP Address. With this HTML interface you can set different parameters. Among the are the presets...

For compliance we advise to *define prests from PRecord 2005* monitoring screen and not from HTML interface.

## 2. RECORDING SETTINGS

Image recording may be triggered in three ways : « *Video sensor* », « *External alarm* » and « *FTP Alarm* ».

These ways can be mixed together.

If none exists, IP Record follow the permanent recording rules.

### A. Video sensor recording

Recording will be triggered by a motion detection  
 Check the check box to display the following tab :

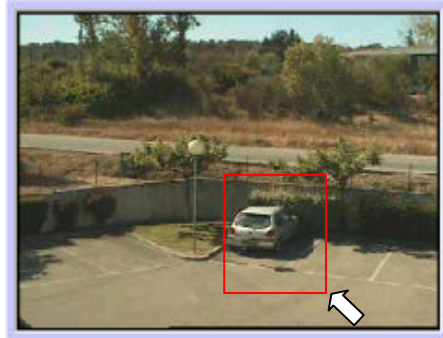
The screenshot shows the 'VIDEO' configuration window. On the left is a video feed with a red box indicating a sensitive area. The main panel has tabs for 'Video Sensor', 'External alarm', and 'FTP alarm'. Under 'Video Sensor', there is a grid of 32 camera links (numbered 2-31) and a table for configuring sensitive zones. The table has columns for 'Test Zone' (color), 'Active' (checkbox), 'Sensitivity' (slider), and 'Threshold' (slider). Below the table are 'Recording time' (20 seconds) and 'Recording speed' (3 frames/sec) settings. Annotations with red arrows point to various elements: 'Monitor moves in the sensitive area' points to the video feed; 'Selected area' points to the red box; 'Up to 4 motion sensitive areas' points to the table; 'Sensitive area activation check' points to the 'Active' column; 'Sensitive area boundary' points to the grid; 'Motion detection' points to the 'Active' column; 'Recording length' points to the 'Recording time' field; 'Recording speed' points to the 'Recording speed' field; and 'Threshold and sensibility' points to the sliders.

### **SETTING**

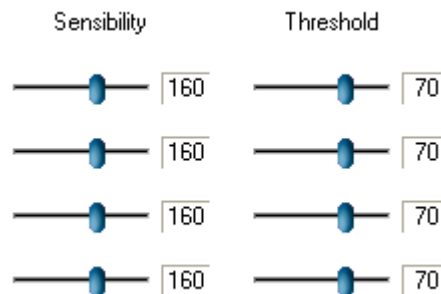
- *sensitive area* : Check a box. A blue square point out the selected camera. Activate the area by Checking the « active » check box.

Test Zone	Active
	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

- *Area boundaries* : Draw a rectangle with mouse to set area boundaries



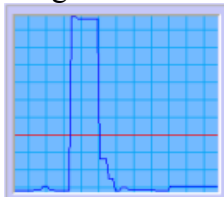
- *Sensibility and threshold* : Use sliders to set these parameters.



Sensibility = For each pixel, indicate the color difference with previous picture.

Threshold = whole picture change percent (number of changed pixels).

You can adjust these parameters using the following graph . It shows if detection occurs with your sensibility and threshold settings.



When it does“detection” message is displayed.

- *Recording length*: set the recording length (record from the motion detection event)

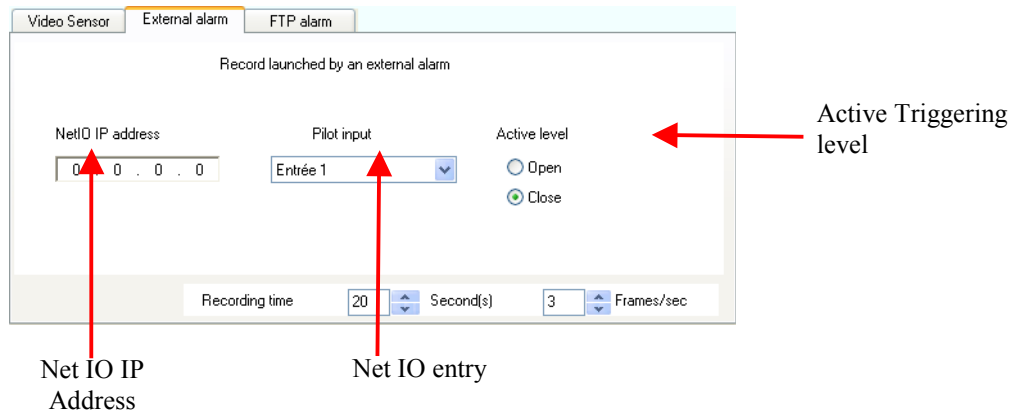
- *Recording speed* : set the frame per second rate

Recording time    Second(s)    Frames/sec

### **B. On Alarm recording**

IPRecord can hold alarms from electrical contact devices transmitted on IP Network by our Net IO box.

Check the “External check box” to display the following tab :

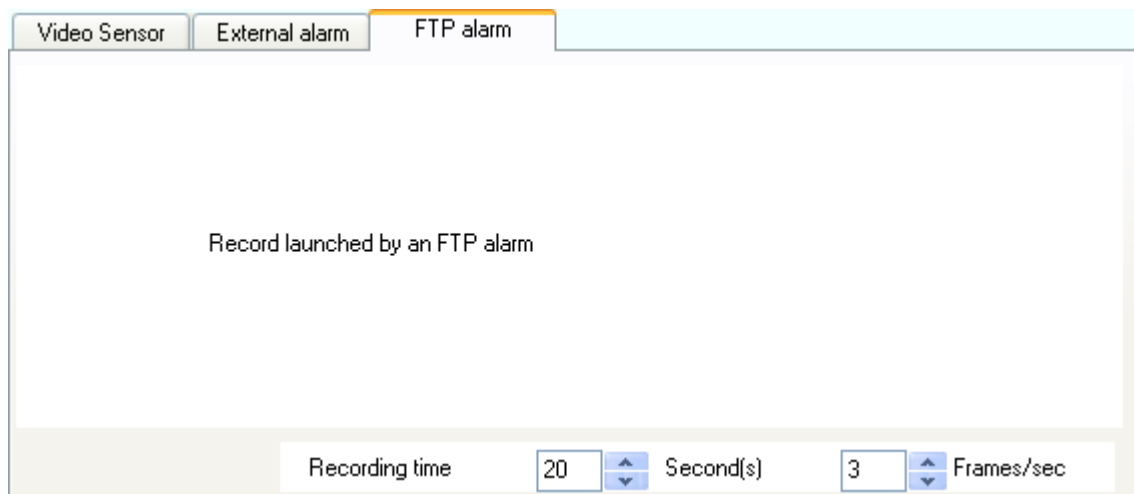


Set the different parameters, recording length and speed.  
 In this example, a 15s recording (5 fps) starts when the Net IO 1st Entry port is switched off.

### **C. On FTP alarm recording**

Recording starts

Check this option to display the following tab :



Set recording length and fps rate.

***Masked Video / Unmasked Video / Alarm priority options***

- Masked Video : If you check with option, frames from the camera will be hidden on monitoring (replaced with a prompt title).
- Unmasked Video : If you check this option « alarme », frames from the camera will be displayed if any motion detection or any alarm occurs, even if “Masked Video” option is checked.
- Alarm priority : If you have installed to the Alarm Server option on your platform, alarm coming from cameras will be considered as higher level ones (Alarm Server is an optional interface module between IP Record 2005 and Net Video Graphic)

**3. ALARMS LINKING**


If the selected camera is on alarm, checked cameras will be too.

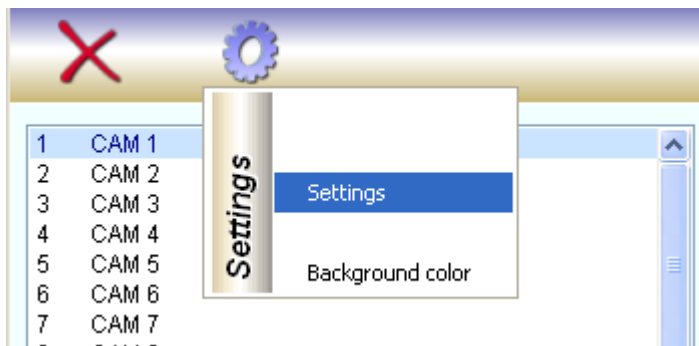
With this option, anticipate recording on cameras which are close to the one in alarm. The moving object or person will probably be shot by these cameras.

**4. OPTIONS SETTINGS**

**HOW TO :**



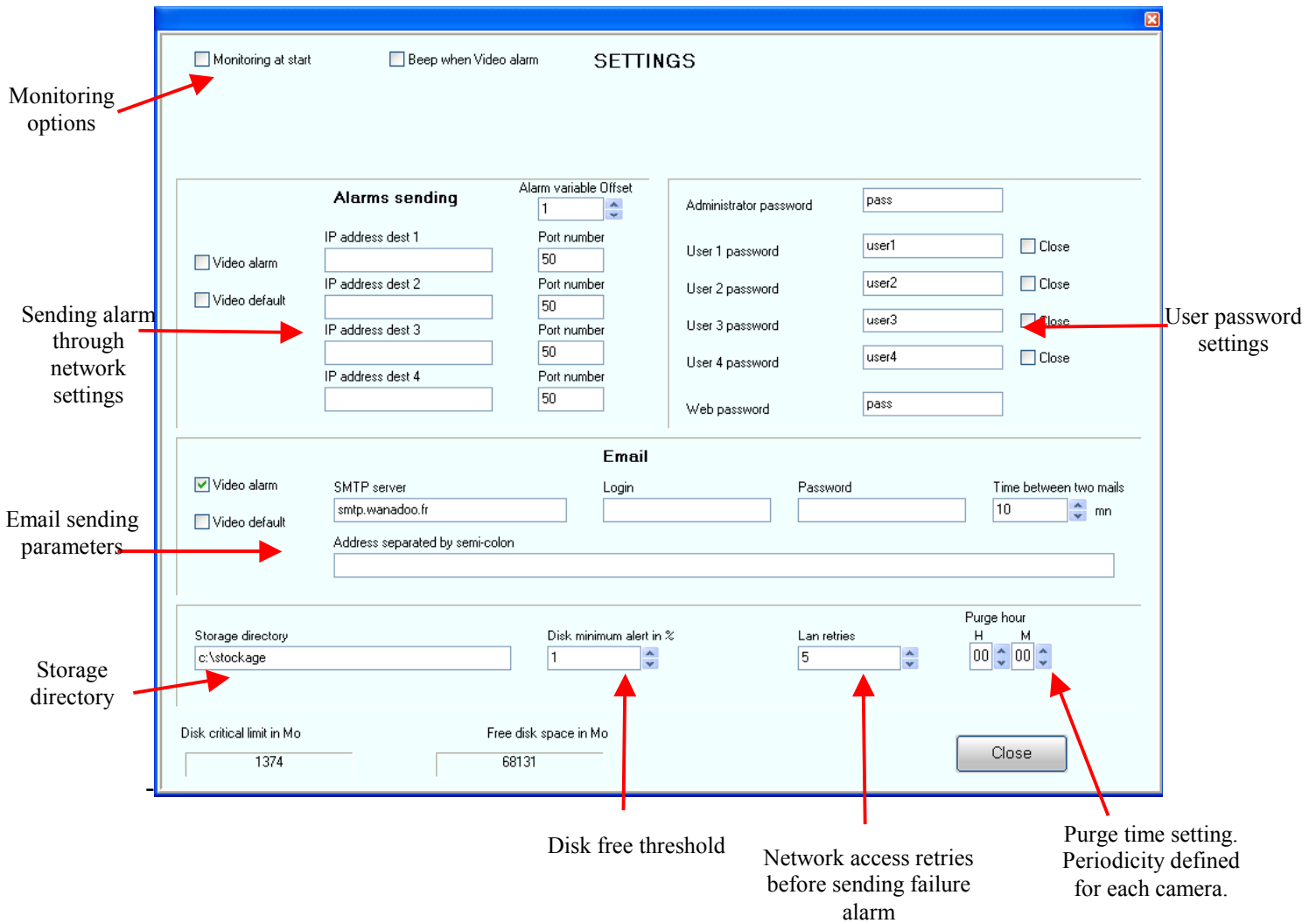
Click on , to display the options settings.



**A. Options**

**ACTION :** Define alarm sending method, emails sending parameters, user passwords and storage settings.

**HOW TO :** Clic on « Settings » to display the following screen



### UPDATE

- *Monitoring at start* : on application start, automatically switch on monitoring display mode.
- *Beep when video alarm* : buzz when alarm or motion detection occur to warn the user.

### Alarms sending

- *Video Alarm* and *Video default* : Check if you want to activate these option.
- *IP Adress*: set addressees IP and port numbers.

*Alarm can be redirected to Net Video Graphic or Net Video or Net IO or OPC Server.*

Video Alarm : FTP alarms coming from a camera.

Video default : No frame from camera. Streaming problems can be caused by network or hardware .

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### **Passwords**

- *Administrator Password* : this login grants the user with extensive rights. You must use Administrator password to modify the application settings.
- *Mots de passe users* : Use these passwords to access to Player or recording functions. Each channel is only available for granted users, (camera parameters). Check "Close" to give users the program shut down authorization.

### **Emails**

- *Video Alarm and Video default* : check any of these options if you want to send emails when a video alarm or video default occurs.
- *SMTP Server, Login, Password* : set your mail server parameters. Login, Password are only necessary if you have to authenticate.
- *Time between two mails* : Set a delay (mn) between to mail sending.

*From 10 mn up to 1440 mn (24h)*

*emails address* : specify a semicolon separated email addresses list. You can send SMS if you have subscribed to an sms to email forward option. Ask to your Mobile network operator.

Email objet describes the alarm type (alarm or default), alarm picture is send as an attached file (JPEG format), event date and time, and alarm triggered camera caption.

Ex :

« 14/03/2006 09:36:35 Video Alarm : Maint entrance»

NB : internet Providers and Mobile newtetwork operators offer limited guarantee on email and SMS postal delay. The min 10 mn delay is defined with regard to this limitation.

NB : if you want to be warned within shorter delays you can use our TeleAlarm system. This is a voice alarm message sender program which complete the IPRecord 2005 solution.

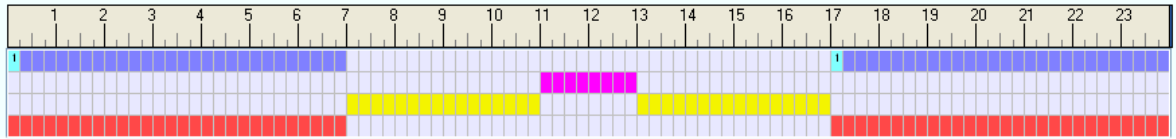
### **Storage options**

- *Storage directory* : specify the recording root directory.
- *Critical limit in %* : set the space threshold.  
20% for example: when the 20 % remaingin space limit is reached, the system automatically delete older files.
- *Lan retries* : set the number of retries before default reporting.
- *Purge hour* : specify thedaily purge hour. The number of days to keep is specify in each camera parameters.
- *Critical disk limit* : displays minimum disk space, according to the “Critical Disk limit in % ». Purge When thes lower limit is reached doit être effectuée.
- *Free Disk space in Mb*: remaining space.

Special notice :

Use the recording scheduler to specify the periods within you want to receive Video or/and Default Alarms.


Ex : out of business hours. from 00h00 to 7h00 or from 17h00 to 24h00.



**B. Background color**

**ACTION** : define the background color.

**HOW TO** : Clic on «Back ground» to display the following dialog box :

	Select a color and press OK.
--	------------------------------

## MAIN INTERFACE

**ACTION :**

Display cameras activity and status.

**How to :**

Run the main Recorder module,

If « monitoring at start» option is enabled, monitoring is displayed immediatley. To access to the main intefarce close the montoring windows or reduce it.

The following screen is displayed :

The screenshot shows the IPRecord 2005 software interface. The window title is "IPRecord 2005" and the version is "1.28". The interface is divided into several sections:

- MainMenu bar :** quit, launch player, monitoring, options (indicated by a red arrow pointing to the top-left icons).
- Camera default :** (indicated by a red arrow pointing to the gear icon).
- Recording camera :** (indicated by a red arrow pointing to the "REC" button in the State column).
- Statistics for recording and display :** (indicated by a red arrow pointing to the bottom statistics section).
- Camera inhibition :** (indicated by a red arrow pointing to the "Inhibition" column checkboxes).
- Log file :** (indicated by a red arrow pointing to the log window on the right).
- liste des caméras :** (indicated by a red arrow pointing to the list of cameras on the left).
- Statistics :** (indicated by a red arrow pointing to the bottom statistics section).

The main window contains a table with the following columns: Camera caption, Default, State, Storage/sec, Camera/sec, and Inhibition. The State column shows "REC" for CAM 1. The log file window shows a list of events, including "Program start", "Program stopped by user: Admin", and "Start lan error channel 1/2".

Disc Statistics	Cameras statistics	Alarms statistics
Average / Minute: 0.00 Mo	Camera frames / sec: 0.0	Alarms: 0
Average / Hour: 0.00 Go	Storage frames / sec: 0.0	Defaults: 0
Average / Day: 0.00 Go		
Free disk: 66.57 Go		

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## ***SCREEN EXPLANATIONS***

For each camera, the main interface displays :

- The camera caption
- The camera status
- The recording status
- The frame per second recording rate
- The frame per second displaying rate
- The inhibition status


To activate or deactivate a camera, check this last option . password required.

Log file :

- Use keyboard arrows to browse the log content.
- Event are sorted by date/time descending order.
- Main events :
  - Program start
  - Program stopped by user 1 to 5 (5 as administrator).
  - Parameters setting by Administrator
  - ( ? ) Démarrage voie x
  - ( ? ) Erreur réseau -> caméra x
  - ( ? ) Fin erreur réseau -> caméra x
  - ( ? ) Seuil disque dépassé -> effacement des anciens fichiers
  - ( ? ) Arrêt voie x
  - ( ? ) Prise en compte entrée x par utilisateur y
  - ( ? ) Non prise en compte entrée x par utilisateur y
  - ( ? ) Renvoi d'alarmes activé par utilisateur y
  - ( ? ) Renvoi d'alarmes désactivé par utilisateur y

## **1. USING THE PLAYER**



Click on the  icon and on program prompt enter one of the defined passwords.  
If login is successful the following screen is displayed.

Special Notice : the player only populates the list with athorized cameras, depending on the used identity.

For example if user 1 is not granted for camera #1, this camera will not be listed.

The screenshot shows the IPRRecord 2005 software interface. At the top, there is a title bar with the text "IPRecord 2005" and "1.42". Below the title bar, there is a calendar for August and September 2007. The calendar shows days of the week (dim., lun., mar., mer., jeu., ven., sam.) and hours (0h to 23h). A red arrow points to the calendar with the text "Select a day". Another red arrow points to the hours with the text "Select the hour".

Below the calendar is a video player window showing a live feed from a camera. The video player has a control bar with buttons for play, stop, and other functions. A red arrow points to the control bar with the text "Player buttons".

On the right side of the interface, there is a list of cameras and events. The list is titled "Caméras | Alarms | Detections". A red arrow points to the list with the text "Select a camera". Another red arrow points to the list with the text "Alarm or motion detection event list".

At the bottom right, there are buttons for "Maximize", "Zoom", "Burn CD", and "Close".

Define an « on the fly » motion detection on a permanent recording. Stops when occurs

Command buttons : Print  
Export to JPEG format  
Export to AVI format

### ***SELECT A RECORDED SEQUENCE***

Select a camera. This will display a 2 months calendar scheduler, where periods with recordings are highlighted (blue cells). Selecting a day will turn the selected cell red. In the same way, hours with recorded sequence will be highlighted. Select an hour. The list of the recorded minutes will be displayed on the right. Choose the minute to play the recorded sequence and the first frame will be displayed on the left.

Example :

Selected hour
Selected day

Selected camera

Recorded sequences for the selected hour.  
Different colors for different triggers  
ex : red for motion detection, not shaded for permanent recording...

Sequence viewing

Recorded sequence (minute)

**RECORDED SEQUENCE PLAYING, EXPORTING TO A FILE**

Reading cursor

Rendering Speed

Increment speed, by skipping images

Backward

Stop

Play

Print a frame

Export a frame

Export a sequence

- *Sequence reading :*

Set the rendering speed, an click on the “play” button.

Use the slider to speed up the rendering by skipping images, and play 1 frame on 2, on 3...

You can use the timeline slider to position the cursor at a particular moment of the sequence.


- *Printing a frame :*



Pause while playing and click  to send the selected frame to the printer.

- *Exporting a frame :*




Pause while playing and click  .

The "Save as.." dialog box is displayed; Choose a file path and save the frame in JPEG format.

- *Exporting a sequence :*



Click on  . The "save as..." dialog box is displayed.

Choose a file path, a codec and save to avi format :



Choose a codec (coder-decoder) before saving to AVI.


- Backup sequences :

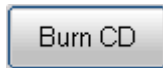
Select camera, day and hour. This will display recorded sequences. Select each minute to backup with a right click.

16-00	16-24	16-36	16-49
16-01	16-25	16-37	16-50
16-02	16-26	16-38	16-51
16-03	16-27	16-39	16-52
16-13	16-28	16-40	16-53
16-15	16-29	16-41	16-54
16-18	16-30	16-42	16-55
16-19	16-31	16-43	16-56
16-20	16-32	16-44	16-57
16-21	16-33	16-45	16-58
16-22	16-34	16-46	16-59
16-23	16-35	16-48	

Selected minutes with their “burner” icon .



Click on  to validate the selection. You can repeat the process for different hours.

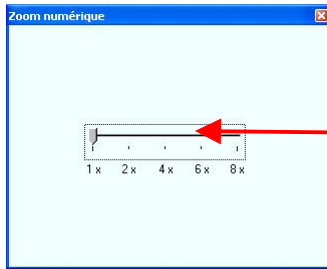


When done click on  to launch the burning process

IP Record 2005 uses XP inner burning facility to backup video sequences. IP Record 2005 add a stand alone player on the CD Rom to replay the burned sequences.

**ZOOM, MAGNIFYING**

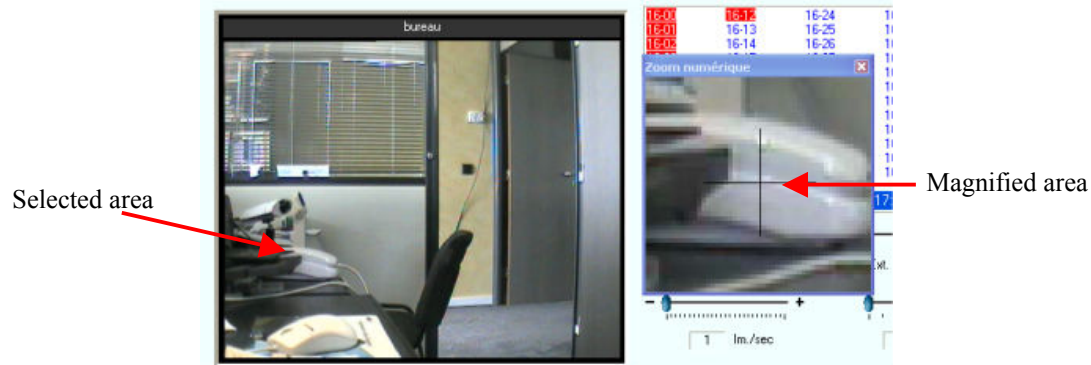
- Click on the « ZOOM» button, to display a picture window and the following dialog.



Set the magnifying factor

The « 1x » zoom (full size) uses MegaPixel cameras high definition features.

Roll over the sequence to magnify particular areas.



Selected area

Magnified area

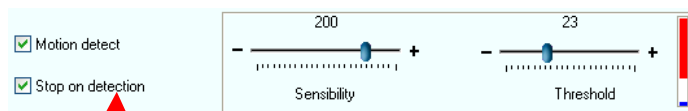
**MOTION DETECTION ON A RECORDED SEQUENCE**

“On the fly” motion detection detects motions, in a selected area of a recorded sequence.

- Select the sequence.



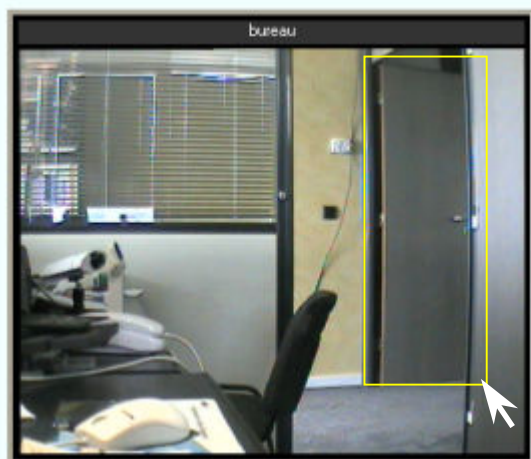
- Click on « motion detection», to display the following group :




Check this option if you want the player to stop when motion detection occurs.

Set sensitivity and threshold.  
Sensitivity = difference between to each pixel of consecutive frames.  
Threshold = change percent (number of changed pixels between 2 consecutive frames).

- Define the sensitive area : draw the selection with the right click (appears with a yellow border).



- Click on the play button , IPRECORD plays the sequence. When a motion detection occurs,
  - detection will be listed in the "Detections" tab, if « stop on detection » option is not checked,
  - the player will stop on the first detection frame, if « stop on detection » option is checked. Click on the play button to start again the sequence reading.

Special notice : IPRecord player continues with the following recorded sequences.

- Click on « Detections » tab to replay sequences with detected motion.


You can play them one by one or select the 1st one (according to chronological sorting, the last one) and read them sequentially.

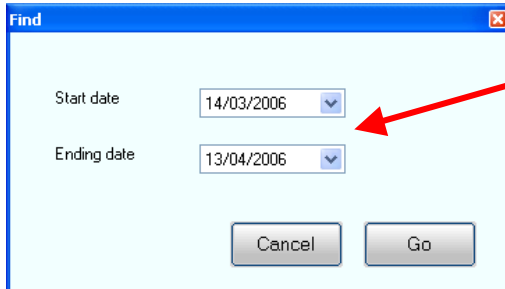
Use the play button. You can pause on a frame, zoom, print or save a picture in the same way as described in the preceding sections.

Viewed sequences are marked with an eye icon  :

Cameras	Alarms	Detections
1	CAM 1	
2	CAM 2	
3	CAM 3	
4	CAM 4	
5	CAM 5	
6	CAM 6	
7	CAM 7	
8	CAM 8	
9	CAM 9	
10	CAM 10	
11	CAM 11	
12	CAM 12	
13	CAM 13	
14	CAM 14	
15	CAM 15	
16	CAM 16	
17	CAM 17	
18	CAM 18	
19	CAM 19	
20	CAM 20	
21	CAM 21	
22	CAM 22	
23	CAM 23	
24	CAM 24	
25	CAM 25	
26	CAM 26	
27	CAM 27	
28	CAM 28	
29	CAM 29	
30	CAM 30	
31	CAM 31	
32	CAM 32	


### ***ON ALARM SEQUENCE READING***

Click on the “Alarms » Tab , to display the following dialog box :




Set dates boundaries for alarm triggered recordings search.

The list is displayed in the tab, anti chronologically sorted (1<sup>st</sup> item of the list is the most recent file). You can browse them one by one or select the last item (the older one) and browse the one by one.

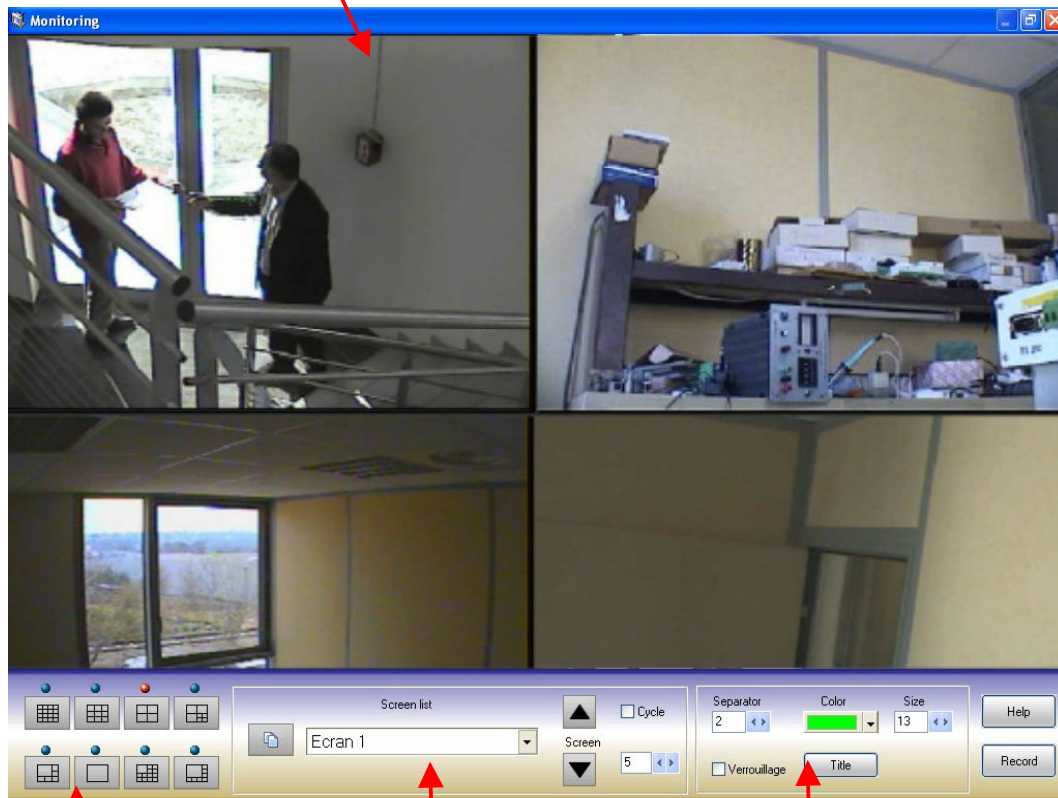
You can pause, zoom to magnify an image area... The following symbol marks viewed sequences  :

## 2. MONITORING



Click on the button , to display the following screen:

Images from camera



Mosaic set

Screen list

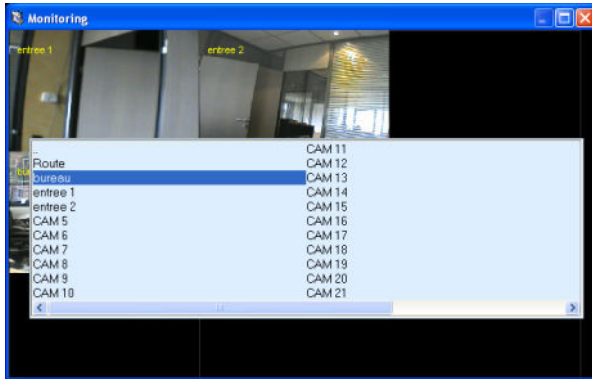
Cameras settings captions

One of the formats displays a single camera which allows you to use Mega Pixels cameras high resolution features.

**- Mosaic configuration :**

Select the mosaic configuration.

Select each mosaic cell and assign a camera : right click to make the cameras list appear and select the camera.



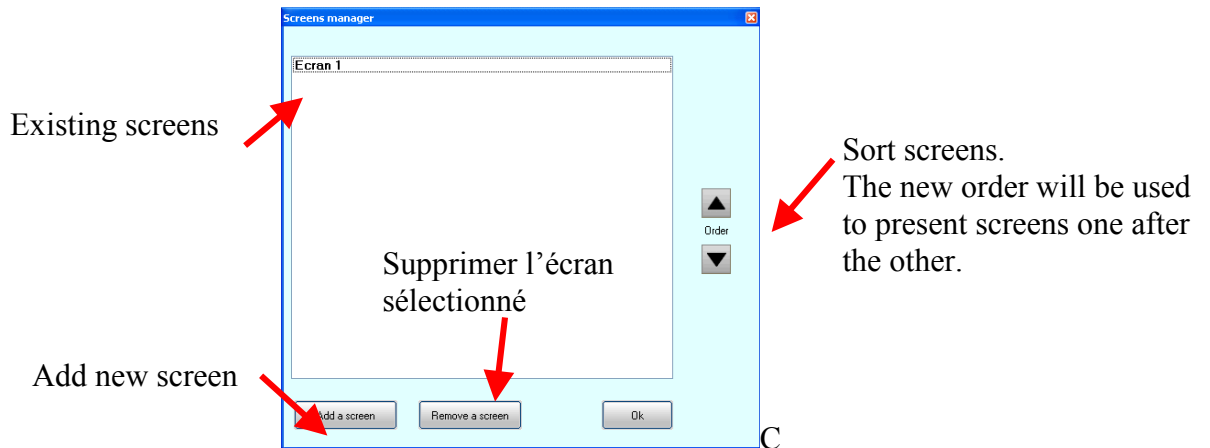
Press the shift key and simultaneously right click on a case to display the cameras list, and select the camera.

**- Screen management :**

You can define several monitoring screen.



- Click on the icon, to add screens,



- For each screen, select the mosaic configuration and assign the cameras.

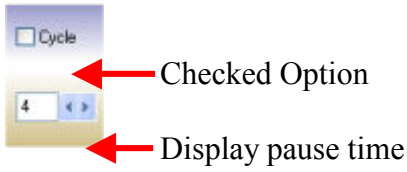


Screen



- Use arrows to display screens.

- « cycle » option displays sequentially all the defined screens.



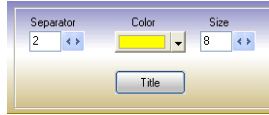
Checked Option

Display pause time

**- Cameras captions :**

You can display the caption on each camera :

Title display



Choose font, size and color

You can set the bevel width.

**- Instant Zoom :**

Right click on any image to display it in full screen format.

**- Quit multivision :**

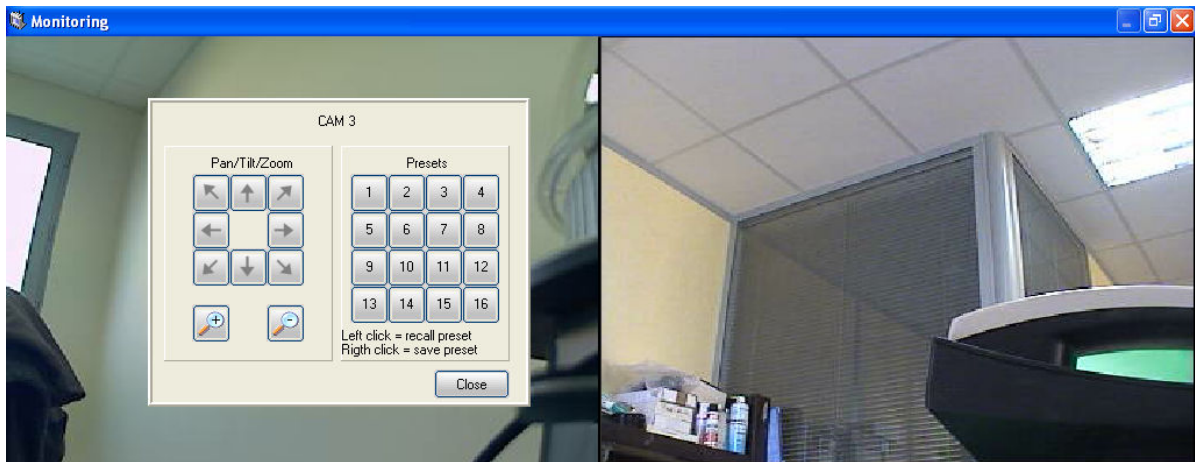
Simply close the window to return to the main interface.

### **3. REMOTE CONTROLLED CAMERAS**

IPRecord offers PTZ cameras support.

PTZ option must be checked to access to remote control features.

#### **A. PTZ Cameras control**

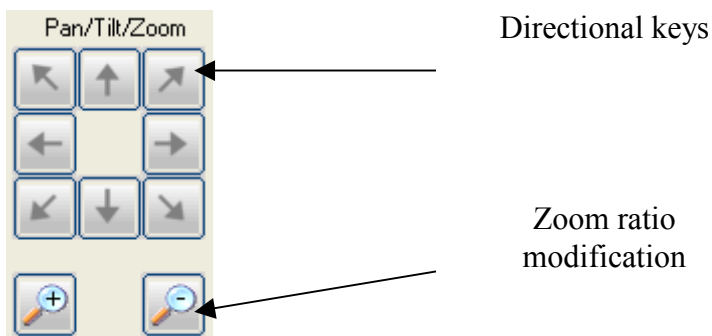


press the CTRL key to display the Presets box.

Click anywhere in the picture to control the camera, click on the direction you want to “target”.

Ex : left to make the camera turn to the left.

You can either use directional keys to remote control the camera, clicking any of the 8 buttons. Set the zoom ratio using the + ou - buttons.



**B. How to define presets and invoke them**

You can define 1 to 16 presets from each camera.


To define a preset target the area to survey with the camera : click on the picture to directly control the camera or use the dialog box and directional pad and zoom in/out buttons to set the zoom factor. Finally right click on a preset button to save PTZ (Pan/Tilt/Zoom) parameters.



To invoke a preset, left click on the preset button. The camera will go back to the preset position.

Presets can be used in the patrol scheduler (see « Camera settings »)

**4. SETTING OPTIONS**

From the main interface screen click on this button . Log in with the administrator password. Recording will be pending while you modify options. Confirm it. See chapter 1 for full description.

# WEB SERVER

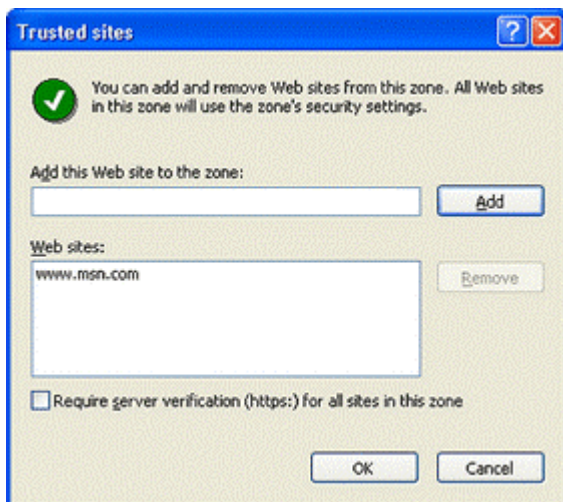
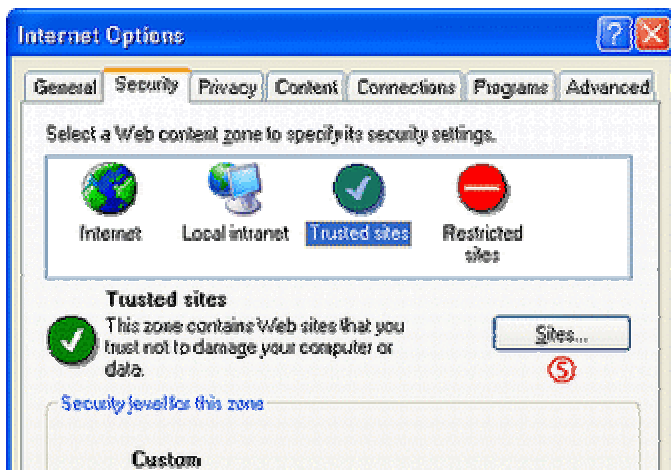
If you subscribed to the Web Server option you can view IP Record cameras or recorded sequences from anywhere on your local NetWork or Internet with your Internet Explorer™ Browser.

## 1. FIRST ACCESS TOI WEB SERVER

IPRecord 2005 web server interface relies on ActiveX control technologie to view live cameras or recorded sequences.

Before using the Web interface verify your Web browser internet options « Internet Options Security » tab then « Personnalize the level ». Check that your settings will not prevent the Activex setup process. If not, modify the parameters to.

A simpler way is to add your IP record IP Adress in the trusted sites list.



<b>ARCLAN'System</b> BP 180000 13795 Aix en Provence cedex 3 Tel : 04.42.97.70.75 – Fax : 04.42.97.71.99	<b>User manual</b> <b>Ref : DUT-IPR2005- V1.42/2007/09</b> <b>Date : September 2007</b>	Page 38 /38
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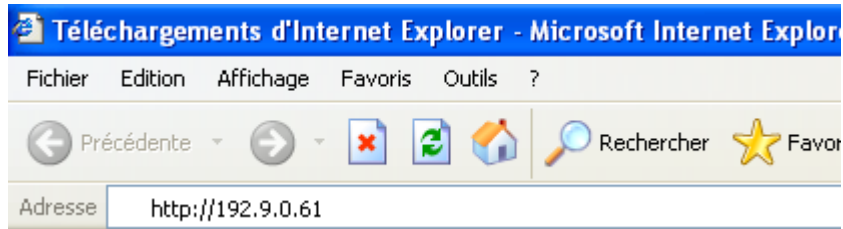
Don't forget to untick the “require server identification (https ☺ formall sites in thsi zone” checkbox.

Type your IP Record 2005 server address in the « Add this web site to the zone» text box the click on the add button.

When you will access to the IP Record web page for the first time, Internet Explorer™ will download and install the required ActiveX controls.

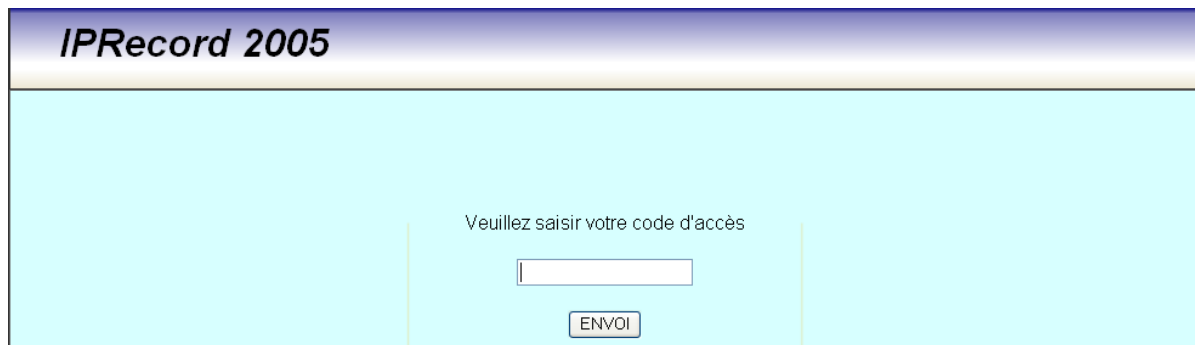
## **2. USE THE WEB SERVER IPRECORD 2005 INTERFACE**

Type the IP Record 2005 server IP Address in the Web address area on the Internet Explorer™ toolbar.



IPRecord display the index page and wait for log in.

Log in with the Web password (see. Options)



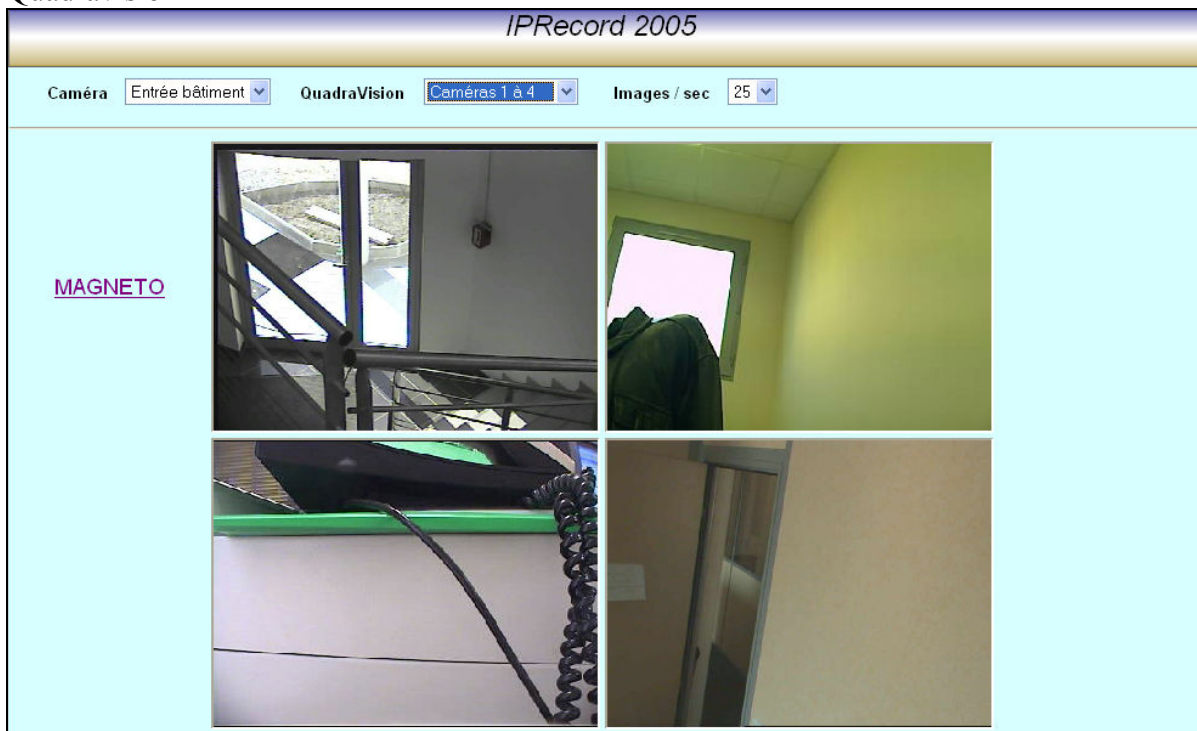
### 3. REMOTE VIEWING

With the Web Interface have live access to your system cameras.  
Choose a single camera or display them on 4x4 mosaic screens

Single frame :



QuadraVision



#### **4. REMOTE PLAYING**

Click on the « MAGNETO » link to access to the remote player.

The remote player and the local player interfaces are similar.



To go back to the live monitoring click on the « LIVE » link.

You can use the MPEG 4 streaming. Check the option, and adjust « Bitrate » and « ImageRef » parameters.

Bitrate : a higher value gives a better image quality, but uses more bandwidth. A lower value gives a lower image quality but uses less bandwidth.

ImageRef : keyframes interval. A higher value gives a less good image quality, but needs less bandwidth. A lower value gives a better image quality, but needs more bandwidth..

## **5. REMOTE ACCESS TO THE IP RECORD SERVER**

You may have a static IP address on the IP Record 2005 site.

Ask your net administrator to route IP Record 2005 server so it can be accessed from distant network users.

IP Record uses several ports saved in the windows registry base. Use Windows registry editor to have a look at these values. Look for the following entries :

```
HKEY_LOCAL_MACHINE
  SOFTWARE
    CNX
```

```
      IPRecord
```

PortDistant1	6100	(default value)
PortDistant2	6110	(default value)
PortRedist	81	(default value)
PortServeurFTP	6120	(default value)
PortWeb	80	(default value)

Once routing done obtain your IP network address and access remotely to your IP record system.

Special notice : Firewall can partially or completely disturb remote access. Be careful not to block access to the required ports.

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## SERVICE MODE

IP Record 2005 can work as an Application or as a service.  
Service mode advantage is to run IP Record as soon as Windows as started up, even if there is no open session yet.

### **1. ACTIVATE THE SERVICE MODE**

Create a shortcut to the ServiceIPRecord.exe utility, in the IP Record 2005 directory.

Modify the shortcut properties (right click) :

"C:\Program Files\IP Record 2005\ServiceIPRecord.exe" -install

(This assumes that « C:\Program Files\IP Record 2005 » is the IP Record hosting directory)

### **2. DEACTIVATE THE SERVICE MODE**

"C:\Program Files\IP Record 2005\ServiceIPRecord.exe" -uninstall

Special notice : to prevent unintentional service deactivation, don't let this shortcut in the IP Record directory, on non-maintenance periods...

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## CUSTOMIZE

### **1. CUSTOMIZE IP RECORD**

You can customize IP Record 2005 by changing product name or logo.

Create an image file (bitmap format) and save it as « logo.bmp » into the IP Record 2005 installation directory (must approximatively have the original logo proportions : 65 pixels high by 193 pixels wide).

To apply a different name to your product create a texte file, enter the new commercial (20 characters only) and save it as « nomproduit.txt » in the IP Record 2005 installation directory.