

# **Grandstream Networks, Inc.**

# **GSurf\_Pro**

# Video Management Software





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#### WELCOME

Thank you for using Grandstream GSurf\_Pro Network Video Surveillance System. Based on TCP/IP, Gsurf\_Pro utilizes C/S architecture on distributed system, managing up to 10\*36 channels. It can effectively reduce the network traffic and cameras' workload by providing the transferring mechanism. Also, users could search and download the recording files remotely via the file management. Featuring functions of electronic map, preview, search, recording, alarm, playback, PTZ and etc., Gsurf\_Pro is a powerful monitoring and recording system with intuitive interface as well as easy operation.

This user manual is designed to help you understand how to integrate your cameras and digital video servers with GSurf\_Pro software.

# ▲ <sub>Note:</sub>

This document is subject to change without notice. The latest electronic version of this user manual is available for download here:

http://www.grandstream.com/support

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#### PRODUCT OVERVIEW

#### FEATURE HIGHTLIGHTS

- Built-in transfer server to forward the front-end real-time video streaming across network
- Capability to configure primary stream and secondary stream display according to the PC platform
- Embedded file sharing server for searching and downloading recorded files remotely
- PTZ control
- Integrated tools to synchronize time on the cameras, transform format for the recording files
- 36 channels video streams for group viewing or patrol mode
- Two-way audio/video monitoring and alarm
- Flexible alarm mechanism including relay output control and email alarm



Figure 1: GSurf\_Pro Overview



#### **INSTALLATION GUIDE**

#### MINIMUM COMPUTER SYSTEM REQUIREMENT

#### SERVER:

Operating System: Windows 2003/2008 Server; Windows XP SP2/SP3; Windows 7 32bit/64bit Processor: Intel® Core™ i3; 2.6GHz or above recommended Memory Capacity (RAM): 4GB or above Hard Drive Capacity: 320G (depending on video recording requirement) Graphics Card Type: Discrete Graphics Card (nVIDIA GEFORCE® GTX660 or above recommended) Network Adapter: 1000Mbps network adapter

#### **CLIENTS:**

Operating System: Windows XP SP2/SP3; Windows Vista; Windows 7 32bit/64bit; Windows 8 Processor: Intel® Core 2 Duo ™ or above Memory Capacity (RAM): 2GB or above Hard Drive Capacity: 120G (depending on recording requirement) Graphics Card Type: Discrete Graphics Card recommended Network Adapter: 100Mbps network adapter, 1000Mbps recommended



#### **INSTALL GSURF\_PRO**

Click to run the GSurf\_Pro installation .exe file. Follow the instructions in the prompted windows to start installation. Once done, the following screen will show.

😼 GSurl_Pro Install	
GSurf_Pro	
v1.0.0.3	
	King Constant and Constant an
	Plasse select the longuage to install
	C Chinese
	@ English
	C Russian
	C Spanish C Solarista
	C French
	Next > Cancel
Copyright (C) 2013 Grandstream Reserved.	

Figure 2: GSurf\_Pro Installation

#### <u>NOTE:</u>

- The initial installation only supporting English.
- Once program installed, user can switch to supported different languagested.



#### UNINSTALL GSURF\_PRO

To uninstall GSurf\_Pro, in your windows PC **Start** Menu->**Programs**->**GSurf\_Pro**, click on **Uninstall GSurf\_Pro** to start uninstall process. Or you could uninstall the program from your windows PC's Control Panel.

#### LOGIN GSURF\_PRO

Click to run GSurf\_Pro. The login page will prompt for your User ID and Password. The administrator User ID and Password are both set to *admin* at the factory default settings.

For security purpose, please change the password after the first time you log in to GSurf\_Pro.

Gsurf	
Networl	k Video Surveillance System
	System Login
User ID:	admin
Password:	•••••
Remembe	er Me 🖪 Auto Login 🗖 Logout Auth
-> Logir	
All Rights Reserve	ed Grandstream Networks. Inc. 2009

Figure 3: GSurf\_Pro Login



#### **GSURF\_PRO MAIN WINDOW**

The GSurf\_Pro user interface is designed for ease-of-use to offer quick access to cameras and recording in the system. Please refer to the following figure and table for main window descriptions.



Figure 4: GSurf\_Pro Main Window

#### Table 1: GSURF\_PRO MAIN WINDOW ITEMS

1	Toolbar	Quick access to designated functions
2	Device Browser	View, add and manage devices; view electronic map
3	Video Display	Display up to 36 video streams. Double clicking on one video will display its primary stream in full window.
4	PTZ Control	PTZ control (PTZ device is required on the camera)
5	Log List	View operation log and alarm log

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## **GSURF\_PRO TOOLBAR**

## Table 2: GSURF\_PRO TOOLBAR ICONS

	Browse and manage the connected DVS or cameras
	Open Electronic Map Browser. Right click to add a new map
	Open Group View panel, manage groups and video channels.
8	Open RS-485 panel for PTZ control
	Display log list
	Display alarm list
20 25 36	Choose different number of channels to be displayed on the main window (max number 36).
2	Open/hide play bar in each video display window.
	Send audio (broadcasting) to selected device in the list
	Search all the cameras' IP within the same LAN
	Show GSurf_Pro software information



#### **GSURF\_PRO VIDEO PLAY BAR**

In the video display window, each video channel has a play bar on the bottom.



Figure 5: GSurf\_Pro Video Display Window - Play Bar

	Stop the displayed video in the channel
	Start recording the video in the channel. By default, the recorded video file will be saved in directory C:\Record
	Capture a snapshot of the current video in the channel. By default, the captured snapshot will be saved in directory C:\Snapshot
0	Turn on/off sound of the current channel. The default setting is off
<b>*</b>	Turn on/off two-way audio of the current channel. The default setting is off

#### Table 3: GSURF\_PRO VIDEO PLAY BAR ICONS

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### **CONFIGURATION GUIDE**

After installing GSurf\_Pro, it must be configured for your network cameras or digital video servers. This section describes how to configure GSurf\_Pro, as well as how to set up auto recording, motion detection, alarms and etc.

### ADD/DELETE DEVICE

### ADD DEVICE

- 1. In the top Menu bar, click System Config->Device Config.
- 2. In the Device Configuration window, click **Add** button to open the **Add Device** dialog.
- 3. Enter the device information.
  - **Device Name:** Enter a name for the device.
  - **Device Type:** Select the device type, DVS or IPCAM.
  - **Count of channels:** Select the number of channels that your device supports. For example, the GXV3504 has 4 channels.
  - **IP:** Enter the IP address of the device.
  - **Domain Name:** Enter the domain name of the device.
  - **RTSP Port:** Enter the RTSP port for video streaming. If the device's web access port is 80, enter 554 as RTSP Port. Otherwise, add 2000 to the device's web access port and enter here.
- 4. Click **Ok** to save.

After successfully adding the device, users could view the video by double-clicking on the device name in the **Device browser** panel on the left.



evice Configuatio	n			X
Add	Delete	Delete all Bato	h Configuration	
DVS				
T comera				
		Add Device	<u> </u>	
		Device Name	Device 1	
		Device Type	[IPCAM -	
		Count of channels	1 *	
		IP IP	10 . 0 . 0 . 148	
		🔘 Domain Name		
		Username	admin	
		Password	•••••	
		RTSP Port	554	
		Ok	Cancel	

#### Figure 6: Add Device



Figure 7: Video Display After Adding Device



#### **DELETE DEVICE**

- 1. In the top Menu bar, click **System Config->Device Config**.
- 2. In the **Device Configuration** window, Select the device to be deleted.
- 3. Click Delete button.
- 4. Or, users could click on **Delete all** to remove all the added devices.

Device Configuation		23
Add Delete Delete all	Batch Configuration	
DVS P Camera Device 1	IP Camera attributes Device Name  IP Common Name IP Domain Name RTSP Port Transmission Protocol Username Password Alarm action rule Motion Detection	Device 1         10 , 0 , 0 , 148         554         RTSP-TCP         admin         •••••         Choose a alarm action rule
	Alarm Input Auto Record	Choose a alarm action rule  Choose a time schedule Save

#### Figure 8: Delete Device



#### SEARCH DEVICE

The built-in Search tool in GSurf\_Pro allows user to search all the DVS and IP Camera devices within the same LAN. Additionally, users could modify the IP address for the devices listed in the searching result.

#### SEARCH DEVICE



1. In the GSurf\_Pro toolbar, click

2. In the Search tool, click Search button. A list of surveillance devices will display in the list.

7       IPCAMERA GXV3662FHD       1.0.1.68       10.0.0.189       8089       10089         8       IPCAMERA GXV3662FHD       1.0.1.68       10.0.0.188       8098       10088         9       IPCAMERA GXV3662FHD       1.0.1.68       10.0.0.177       8077       10075         10       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0.175       8075       10075         11       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0.176       8070       10070         12       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0.178       8078       10070         13       IPCAMERA 3601LL       1.0.4.38       10.0.0.171       8071       10071         15       IPCAMERA 3611HD       1.0.4.38       10.0.0.184       8084       10084         16       IPCAMERA 3611HD       1.0.4.38       10.0.0.165       8065       10065         18       IPCAMERA 3601L       1.0.4.38       10.0.0.167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172		Model	Version	IP	HTTP Port	RTSP Port	
8       IPCAMERA GXV3662FHD       1.0.1.68       10.0.0.188       8088       10088         9       IPCAMERA GXV3652HD       1.0.1.68       10.0.0.177       8077       10077         10       IPCAMERA GXV3652HD       1.0.1.68       10.0.0.175       8075       10075         11       IPCAMERA GXV3651FMP       1.0.1.68       10.0.0.175       8070       10070         12       IPCAMERA GXV3615WP_HD       1.0.1.68       10.0.0.170       8070       10070         13       IPCAMERA 3601LL       1.0.4.38       10.0.0.178       8078       10078         14       IPCAMERA 3611HD       1.0.4.38       10.0.0.184       8084       10084         15       IPCAMERA 3611HD       1.0.4.38       10.0.0.166       8066       10066         18       IPCAMERA 36011       1.0.4.38       10.0.0.167       8067       10067         20       IPCAMERA 36011       1.0.4.38       10.0.0.172       8072       10072         Viii Configuration	7	IPCAMERA GXV3662FHD	1.0.1.68	10.0.0.189	8089	10089	
9       IPCAMERA GXV3662HD       1.0.1.68       10.0.0177       8077       10077         10       IPCAMERA GXV3652HD       1.0.1.68       10.0.0151       8051       10051         11       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0175       8070       10070         12       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0170       8070       10070         13       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0170       8070       10070         13       IPCAMERA GS01LL       1.0.4.38       10.0.0171       8071       10071         14       IPCAMERA 3601LD       1.0.4.38       10.0.0184       8084       10084         16       IPCAMERA 3601       1.0.4.38       10.0.0166       8065       10065         18       IPCAMERA 3601       1.0.4.38       10.0.0167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         19       IPCAMERA 3601       1.0.4.38       10.0.0167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         Search       K       K       K       K	8	IPCAMERA GXV3662FHD	1.0.1.68	10.0.0.188	8088	10088	
10       IPCAMERA GXV3662HD       1.0.1.68       10.0.0.151       8051       10051         11       IPCAMERA GXV3651FMD       1.0.1.68       10.0.0.175       8075       10075         12       IPCAMERA GXV3651FMP       1.0.1.68       10.0.0.170       8070       10070         13       IPCAMERA 3601LL       1.0.4.38       10.0.0.171       8078       10071         14       IPCAMERA 3601LD       1.0.4.38       10.0.0.184       8084       10084         16       IPCAMERA 3601LD       1.0.4.38       10.0.0.181       8081       10084         16       IPCAMERA 3601LL       1.0.4.38       10.0.0.166       8066       10066         17       IPCAMERA 3601L       1.0.4.38       10.0.0.167       8067       10063         18       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Old IP <ul> <li>i</li></ul>	9	IPCAMERA GXV3662HD	1.0.1.68	10.0.0.177	8077	10077	
11       IPCAMERA GXV3651FHD       1.0.1.68       10.0.0.175       8075       10075         12       IPCAMERA GXV3651FMP_HD       1.0.1.68       10.0.0.170       8070       10070         13       IPCAMERA 3601LL       1.0.4.38       10.0.0.171       8071       10071         14       IPCAMERA 3611HD       1.0.4.38       10.0.0.171       8071       100071         15       IPCAMERA 3611HD       1.0.4.38       10.0.0.184       8084       10084         16       IPCAMERA 3601L       1.0.4.38       10.0.0.165       8065       10066         17       IPCAMERA 3601L       1.0.4.38       10.0.0.167       8067       10067         19       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         VMif Configuration         IPA-MERA 3601       1.0.4.38       10.0.0.172       8072       10072         Old IP       • • • •       •       •       •       •         VMif Configuration       IPA- • • •	10	IPCAMERA GXV3662HD	1.0.1.68	10.0.0.151	8051	10051	
12       IPCAMERA GXV3615WP_HD       1.0.1.68       10.0.0170       8070       10070         13       IPCAMERA 3801LL       1.0.4.38       10.0.0178       8078       10078         14       IPCAMERA 3611HD       1.0.4.38       10.0.0174       8074       10071         15       IPCAMERA 3611HD       1.0.4.38       10.0.0174       8074       10076         15       IPCAMERA 3611HD       1.0.4.38       10.0.0184       8084       10084         16       IPCAMERA 3601       1.0.4.38       10.0.0166       8066       10065         18       IPCAMERA 3601       1.0.4.38       10.0.0167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         VIII Configuration         VIII Configuration	11	IPCAMERA GXV3651FHD	1.0.1.68	10.0.0.175	8075	10075	
13       IPCAMERA 3601LL       1.0.4.38       10.0.0178       8078       10078         14       IPCAMERA 3611HD       1.0.4.38       10.0.0171       8071       10071         15       IPCAMERA 3611HD       1.0.4.38       10.0.0184       8084       10084         16       IPCAMERA 3611HD       1.0.4.38       10.0.0184       8081       10081         17       IPCAMERA 3601       1.0.4.38       10.0.0166       8066       10065         18       IPCAMERA 3601       1.0.4.38       10.0.0167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         Search       Add	12	IPCAMERA GXV3615WP_HD	1.0.1.68	10.0.0.170	8070	10070	
14       IPCAMERA 3611HD       1.0.4.38       10.0.0.171       8071       10071         15       IPCAMERA 3611HD       1.0.4.38       10.0.0.184       8084       10084         16       IPCAMERA 3611HD       1.0.4.38       10.0.0.181       8081       10084         17       IPCAMERA 3601       1.0.4.38       10.0.0.181       8081       10086         18       IPCAMERA 3601       1.0.4.38       10.0.0.163       8069       10069         19       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Search       Add	13	IPCAMERA 3601LL	1.0.4.38	10.0.0.178	8078	10078	
15       IPCAMERA 3611HD       1.0.4.38       10.0.0.184       8084       10084         16       IPCAMERA 3611HD       1.0.4.38       10.0.0.181       8081       10081         17       IPCAMERA 3601       1.0.4.38       10.0.0.169       8066       10066         18       IPCAMERA 3601       1.0.4.38       10.0.0.169       8067       10067         19       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Search       Add	14	IPCAMERA 3611HD	1.0.4.38	10.0.0.171	8071	10071	
16       IPCAMERA 3611HD       1.0.4.38       10.0.0.181       8081       10081         17       IPCAMERA 3601       1.0.4.38       10.0.0.166       8066       10065         18       IPCAMERA 3601       1.0.4.38       10.0.0.167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.167       8077       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Search       Add         IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         VIII Configuration         VIII Configuration	15	IPCAMERA 3611HD	1.0.4.38	10.0.0.184	8084	10084	
17       IPCAMERA 3601       1.0.4.38       10.0.0166       8066       10066         18       IPCAMERA 3601LL       1.0.4.38       10.0.0167       8067       10063         19       IPCAMERA 3601       1.0.4.38       10.0.0167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0172       8072       10072         Search       Add	16	IPCAMERA 3611HD	1.0.4.38	10.0.0.181	8081	10081	
18       IPCAMERA 3601LL       1.0.4.38       10.0.0.169       8069       10069         19       IPCAMERA 3601       1.0.4.38       10.0.0.167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Search       Add         IP Address Configuration       W/if Configuration         Old IP       •       •       •         IV Bus DHCP       .       •       •       •         Sub net mask       .       .       •       •       •         Gate way       .       .       .       .       •       •	17	IPCAMERA 3601	1.0.4.38	10.0.0.166	8066	10066	
19       IPCAMERA 3601       1.0.4.38       10.0.0.167       8067       10067         20       IPCAMERA 3601       1.0.4.38       10.0.0.172       8072       10072         Search       Add	18	IPCAMERA 3601LL	1.0.4.38	10.0.0.169	8069	10069	
20         IPCAMERA 3601         1.0.4.38         10.0.0.172         8072         10072           Search         Add           IP Address Configuration         Wifi Configuration           Old IP         • • • •         •           Old IP         • • • •         •           Sub DHCP         • • • •         •           Sub net mask         • • •         •           Gate way         • • • •         •	19	IPCAMERA 3601	1.0.4.38	10.0.0.167	8067	10067	
Search     Add       IP Address Configuration     Wfi Configuration       Old IP     • • • •       Old IP     • • • •       Use OHCP     • • • •       New IP     • • • •       Sub net mask     • • • •       Gate way     • • • •	20	IPCAMERA 3601	1.0.4.38	10.0.0.172	8072	10072	
Old IP     I     I       Use DHCP       New IP       Sub net mask       Gate way							
Dise DHCP       New IP     Ping       Sub net mask        Gate way			Old IP				
New IP     ·     Ping       Sub net mask     ·     ·       Gate way     ·     ·							
Sub net mask Gate way			Use DHCP				
Gate way			Use DHCP		· ·	Ping	
			Use DHCP New IP Sub net mask		· ·	Ping	
			Use DHCP New IP Sub net mask Gate way		• •	Ping	
Modify IP			Wew IP New IP Sub net mask Gate way		 	Ping	
Modify IP			Use DHCP New IP Sub net mask Gate way	Mod	  ify IP	Ping	

Figure 9: GSurf\_Pro Search Tool - Search Devices



#### **MODIFY IP**

1. Select the device in the searching result.

2. To set up new static IP, input the new IP, subnet mask and gateway, then click on **Modify IP** button. To make sure the new static IP is available in the network, after filling out the new IP address, click on **Ping** button and the result will show in the prompted message.

3. To set up new IP with DHCP, user could check the option **Use DHCP** so a new IP will be automatically assigned.



Figure 10: GSurf\_Pro Search Tool - Modify IP



#### **CONFIGURE TIME SCHEDULE**

The GSurf\_Pro time schedule is used to configure automatic recording. Up to 10 schedules can be configured.

1. In the top Menu bar, click System Config->Time Schedule.

- 2. The **Time Schedule** window will pop up.
- 3. Select a schedule on the left panel to be configured.

4. Select the time frame for each day. The scheduled interval will be marked in blue (See Figure 11: Gsurf\_Pro Time Schedule).

5. Click **Save** button.

	7		
ime schedule name			
ll Day	Schedule 3	Save	
Vork Time		0:00 6:00 12:00 18:00 0:00	
chedule 3	sunday		
chedule 4			
chedule 5			
chedule 6		0:00 8:00 12:00 18:00 0:00	
chedule 7	monday		
chedule 8			
chedule 9			
chedule 10		0.00 8.00 12.00 19.00 0.00	
	vebseuT		
	rucoudy		
	Wedneedey		
	wednesday	·	
	Thursday		
	Thursday		
		0:00 6:00 12:00 18:00 0:00	
	Firday		
		0:00 6:00 12:00 18:00 0:00	
	Satuarday		

#### Figure 11: Gsurf\_Pro Time Schedule

- 6. To assign this schedule to a device, open System Config->Device Config.
- 7. Select the device from which you would like to record the videos.
- 8. In Auto Record option, select schedule from the drop down list.
- 9. Click Save button.

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This channel will then start automatically recording as specified in the designated time schedule.

Additionally, users could select **Batch Configuration** to assign the same time schedule to multiple devices.

Device Configuation	and in the second se	
Add Delete Delete all	Batch Configuration	
DVS	IP Camera attributes	
Emile 1	Device Name	Device 1
	IP	10 . 0 . 0 . 148
	🔘 Domain Name	
	RTSP Port	554
	Transmission Protocol	RTSP-TCP 🔻
	Username	admin
	Password Alarm action rule	
	Motion Detection	Choose a alarm action rule 🔻
	Alarm Input	Choose a alarm action rule 🔻
	Auto Record	Schedule 3
		Save

Figure 12: GSurf\_Pro Auto Record Time Schedule



#### **CONFIGURE ALARM TRIGGERS AND RULES**

Grandstream's network cameras and digital video servers support motion detection and alarm events. They can report motion detection or alarm events to GSurf\_Pro. On the GSurf\_Pro side, it can be configured to take actions, i.e., to notify such events to users. Up to 10 rules can be set up with different alarm actions. The instructions below will assist you with this setup.

#### 1. In the top Menu bar, click System Config->Alarm Config.

2. In the Alarm action rule window, select the Alarm index and configure the action.

- **Sound:** If it's checked, GSurf\_Pro will play a sound when receiving an alarm report. Make sure to select a sound file and the duration for it to play.
- **Record:** If it's checked, GSurf\_Pro will record the video upon receiving an alarm report. Users could also select the duration for the recording.
- **Pop up video window:** If it's checked, a pop up video window will appear on receiving an alarm report.
- **Warning on the E-map:** If it's checked, the corresponding icon of that channel in the electronic map will flash in red upon receiving an alarm report.
- Save to database: If it's checked, the alarm event will be written to the alarm log.

1     Trigger 1     Alarm action rule name     Trigger 1       2     Trigger 2     sound       3     Trigger 3       4     Trigger 4       5     Trigger 6         Sound Type         Sound Type	
2     Trigger 2       3     Trigger 3       4     Trigger 4       5     Trigger 5       6     Trigger 6	
3     Trigger 3       4     Trigger 4       5     Trigger 5       6     Trigger 6	
4     Trigger 4     Sound Type       5     Trigger 5       6     Trigger 6	
5 Trigger 5 Sound Type	-
6 Trigger 6	
7 Trigger 7	
8 Trigger 8 Duration time(seconds) 5  Play Source	ł
9 Trigger 9	
10 Trigger 10 Record	
Record duration time(seconds) 30 -	
Pop up video window	
☑ Warning on the E-map	
Save to database	

#### 3. Click **Save** button to save the settings.

Figure 13: GSurf\_Pro Alarm Action Rule

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4. To assign this alarm action rule to a device, open **System Config->Device Config.** 

5. In the **Device Configuration** window, select the device.

6. Select an Alarm action rule for **Motion Detection** to monitor motion detection events; select an alarm action rule for **Alarm Input** if you would like to monitor alarm input events.

7. Click **Save** button to save the settings.

Device Configuation					×
Add	Delete	Delete all		Batch Configuration	
Add DVS IP Camera Device 1	Delete	Delete all	IP Camera a Device Nar IP Domain RTSP Port Transmission Username	Batch Configuration ttributes ne Name on Protocol	Device 1 10 . 0 . 0 . 148 554 RTSP-TCP  admin
			Password Alarm action Motion D Alarm Inp	on rule etection put	Trigger 1  Trigger 1
			Auto Reco	rd	Choose a time schedule

Figure 14: Assign Alarm Action Rule To Device

Additionally, users could select **Batch Configuration** to assign the same alarm action to multiple devices.



#### LOCAL CONFIGURATION

Click on **System Config**->Local Config to configure software and local recording features for GSurf\_Pro.

#### SOFTWARE CONFIGURATION

Configure log reserved days, video window layout and startup options.

#### **RECORD CONFIG**

- **Record Path:** This section displays name, total space and free space of the local disks. Users could select the local disk to store recorded video files. If users select multiple disks, GSurf\_Pro will start from the first disk until the free space equals the reserved space, and then go to the next one.
- **Reserved free space:** Configure the reserved free space for the disk. When the disk free space is less than the reserved free space (1 GB in this example), the video will be recorded in the next selected disk.
- Record file duration time: Configure the duration for each recording file.
- **Disk Full:** When the disk is full, users could choose to stop recording, or keep recording while storing new recording by deleting the old files.
- Capture Path: Configure the path to save the snapshot pictures.

arconing				
oftware configurati	ion Record config			
Record Path				
Record di	Total space(G)	Left free space(G)		
✓ ♣ C:	596.07	309.96		
Record file durati	ion time(Min):		30 -	
Reserved free sp	ace(GB)		1	
Disk is full!				
C Stop Reco	rd			
0.000	-			
Oelete the	earliest file			
🔘 Dele	te by date(The earliest day in	ı disk)		
· ·				
© Dele	te by file			
				_
Capture Path	C:\Sna	pshot\		
			Ok	Cancel
			- OK	Concer

Figure 15: GSurf\_Pro Local Configure - Record Configure

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#### **DEVICE CONFIGURATION**

Click **System Config->Device Config**, the device configuration window will prompt for users to add, delete and edit devices. Once a device is selected, users could configure the device properties, alarm action rule and record option.

- Device Properties: Device Name, Device IP, Domain Name, RTSP Port and Transport protocol.
- Alarm Action Rule: Select alarm action rule for motion detection and alarm input.
- Auto Record: Select time schedule for auto record.

#### LANGUAGE DISPLAY

In the GSurf\_Pro interface, users could switch language at any time. Go to **System Config->Language** and select the language to be displayed.



Figure 16: Language Display



#### **RECORD CONFIGURATION**

#### MANUAL RECORD

In the video display window, click on the Record button to start recording.



#### AUTOMATIC RECORD

🚺 🔟 🕘 🗑 Device 1

The automatic record will be running in the background. The recording time is specified in **Auto Record** option after selecting device under **System Config**->**Device Config**.

Device Configuation	( The second sec			
Add Delete	Delete all Bat	tch Configuration		
DVS	IP Camera attribu	utes		
Envice 1	Device Name		Device 1	
	IP		10 . 0 . 0 . 148	
	O Domain Nam	ne		
	RTSP Port		554	
	Transmission Pr	otocol	RTSP-TCP 🔹	
	Username		admin	
	Password		•••••	
	Alarm action ru	le		
	Motion Detect	tion	Choose a alarm action rule 💌	
	Alarm Input		Choose a alarm action rule 💌	
	Auto Record		Choose a time schedule 🔹	
			Choose a time schedule All Day	
			Schedule 3	
			Schedule 4 Schedule 5	
			Schedule 6 Schedule 7	
			Schedule 8 Schedule 9	
			Schedule 10	

Figure 18: Automatic Record



#### REPLAY

The GSurf\_Pro Replay tool provides the ability to replay recorded videos. It also provides a search function which allows you to perform a search based on start time, end time, IP address, channel and etc. To replay the recorded video, in the top Menu bar, go to **Manage Tool**->**Replay Tool** to open the Replayer. Select time, device, channel, file type and disk to search the video. Then click on the video file to play.

💯 GSurf_Pro						
System(E) View(V) System Config(C	) Play Mode(P) Manage Tool(G)	Help(H)	Replayer			
		2	System( <u>S</u> )	√iew(⊻) Help( <u>H</u> )		
			Quest		]	
Device browser	Video monitor Hecord list	Electronic		^		
IP Camera			Start time	1/15/2013 🔻 12:00:00 AM 💌		
RTSP Server						
	Ca	onnecting	End time	1/15/2013 • 11:59:59 PM 💌		
			Search type	Device name		
			Device name	All		
	🔳 🍘 🔯 🤨 🍘 Device 1		Chanel ID	All		
			File type	All		
TE Device browser						
				Remote search		
			Start disk	C:\		
			End disk	C:\		
		_				
200m				Search		
Focus F				Open	•	
Aperture			   0. out   = 0	•		00:00/00:00 Export
PTZ G Group view			V Quest	Time section	•	•
Log list			File name			Chanel Type
Date Time	user User	Operati	The Hume			
2013-01-15 10:35:	59 admin	Lo				
			•			•
			File list	Downloading Downloaded		
Ets Log list Alarm list						

#### Figure 19: Replay

In the replayer, users could also open up the Time selection tab to specify the recorded files by filtering the start time. All the configured start time will be marked in green in the time chart.



#### ELECTRONIC MAP

E-map is an important feature in video surveillance system to provide users a visual overview of the cameras in your installation. A map is an image file on which you place cameras and views. GSurf\_Pro supports an electronic map for users to identify the locations of your cameras and the status of their alarms.

To configure E-map on GSurf\_Pro, open the map browser by clicking



#### ADD MAP

- 1. In the Electronic map browser, right click and Add map option will show up.
- 2. Choose a map image from your local PC to upload. Then it will be displayed in the electronic map field.



Figure 20: Add Map

#### Note:

The supported image files are bmp, jpg or gif. GSurf\_Pro will display the electronic map in full resolution. And the users can use the scroll bars to view the whole image.



#### ADD DEVICE TO MAP

- 1. Open your map in the main window.
- 2. In the left side panel, click on **Device browser** so your devices will show in the list.
- 3. Click on the device/channel, drag and drop it to the preferred destination on the map.



4. An icon with the device name and the channel number will now be shown on the map. Right click

on the icon to change the icon settings.



Figure 21: Add Map Alarm



#### SET ALARM ON MAP

1. After adding the device to the map, go to **System Config**->**Alarm Config** to configure alarm action rule. Make sure the option **Warning on the E-map** is checked.

2. Go to **System Config->Device Config**. Select your device and configure the alarm action rule set up in step 1.

3. When GSurf\_Pro receives an alarm report, the corresponding icon on the map will flash in red

#### LOCK/UNLOCK MAP

To avoid changing the positions of cameras on the map accidently, the users can lock the map after adding all devices. Right click on the map, lock/unlock option will be available in the pop-up menu,

When the map is unlocked, users could drag devices to the map. When the map is locked, double-clicking on the camera will open up a new window for real time video from this camera.

#### **REMOVE DEVICE FROM MAP**

On the map, right click on the icon and click **Delete Icon** to remove the device from the map.

#### **REMOTE CONFIGURATION**

The IP Camera devices can be remotely accessed via web browser. Select a device on the left side panel and click on Remote config tab to access the camera's web GUI.



(2)			
U GSurf_Pro			
System(E) View(V) System Config	g( <u>C</u> ) Play Mode( <u>P</u> ) Manage Too	ol(G) Help(H)	
		20 25 36 🧕 샟 🔍	
Device browser	× Video monitor Record list	Electronic map Remote config	
→ DVS IP Camera GXV3672HD Front Left → GXV3672FHD 4.2 Front Right	Gandstream	GXV3662HD Administration Interface	
GXV3601LL - Lobby Left 1		Current System Time	
GXV3601HD - Lobby Left 3	Home	Date: 2013-01-15	
	Basic Settings		
Bevice browser Sectionic map		Time: 14:25:18	
PTZ	× System		
	Video & Audio	Set the System Time	
	CMOS Settings	Time Zone:   GMT-08 (Las Vegas, San Francisco, Vancouver)	
		C Update via NTP Server	=
	Networking	C Synchronize with Local Computer	
	E DDNS		
	SIP	C Set the Time Manually	
		Keep Current Date and Time	
Zoom +	Status		
	Advanced Settings	Save	
Focus		OSD Date Format	
Aperture +		OSD Date Format:	
PTZ rotating speed 16		,	
Preset position 0		Save	
Set Call Clear			
		Device Name Setting	
Brightness (j		Device Name: GXV3662 - Front Door Center	
Contrast			
Group View PT7		Save	
Alam list			· ·
Aldrin list			×

Figure 22: Remote Configuration

#### PTZ CONTROL

In the toolbar, click to open PTZ control panel. If the connected devices are PTZ cameras or have a PTZ device connected, users can use the console to adjust the focus, brightness, contrast, rotating speed, IRIS, and also pan/tilt the devices.

#### Note:

Before using PTZ control, PTZ device needs to be set up in RS-485 port and properly configured.



#### **VIDEO MONITOR**

#### **INDIVIDUAL VIEW**

Drag the device from the device browser to video display window to watch the video immediately.

#### **GROUP VIEW/PATROL MODE**

- 1. In the tool bar, click on
  - to open the Group view panel.
- 2. Drag the device in Device browser panel to the group in Group view panel.



Figure 23: Add Device To Group

3. Right click on the group to configure the group attributes. Check the **Allow Patrol** option and configure **Pause time** which is the patrol interval for the group.



Group view	×	
⊡…i Video monitor		
🖕 🗐 Group 1 [1]		
	ront Left	
🖨 🗐 Group 2 [1]		
	Lobby Left 1	
		📕 🍙 🔯 🤨 👘 GXV3662 - Front Door Center
	Group Attribute	uter 🛛
🥥 Group 5 [0]	Group Attribut	
Group 6 [0]		
Group / [0]	Group Name	ame Group 2
Group 8 [0]	Pause Time	me 10 S (Longer than 10s is recommended)
Group 9 [0]		
	Video Displa	play 9 🔻
	📃 Allow Pa	Patrol
		Ok

#### Figure 24: Configure Group Attributes For Patrol Mode

4. Click **Ok** to save the settings.

5. In the top Menu bar, click on **Play Mode->Patrolling View** to start playing videos from different groups in a loop.



#### BROADCAST

- 1. In the tool bar, click the button to open up broadcast window.
- 2. Add broadcast device by selecting the devices from the left side list to the right side list.
- 3. Click Start Broadcasting button to start sending audio from PC's microphone.



Figure 25: Broadcast



#### SYNCHRONIZE DEVICE TIME

In the top Menu bar, click on **Manage tool->Synchronize device time**. Then users could sync up the device time with local PC time.

		Device name IP960 - WH Center CXV3672_HD WH Center Corner CXV3672_HD WH Cargo Check Right CXV3662 - Front Door Center CXV3601 - WH Rear Left CXV3601 - WH Rear Right CXV3601 - 180 CXV3601 - 180 CXV3601HD - 182 CXV3611HD - WH Rear Right CXV3611HD - WH Rear 1 CXV3611HD - WH Rear 1	Result       Success       Success
		<ul> <li>IP960 - WH Center</li> <li>GXV3672_HD WH Center Corner</li> <li>GXV3672_HD WH Cargo Check Righ</li> <li>GXV3662 - Front Door Center</li> <li>GXV3601 - WH Rear Left</li> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601 - 180</li> <li>GXV3601HD - 182</li> <li>GXV3611HD - WH Rear Right</li> </ul>	Success Success Success Success Success Success Success Success Success Success
		<ul> <li>GXV3672_HD WH Center Corner</li> <li>GXV3672_HD WH Cargo Check Right</li> <li>GXV3662 - Front Door Center</li> <li>GXV3601 - WH Rear Left</li> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601HD - 182</li> <li>GXV3611HD - WH Rear Right</li> </ul>	Success Failed Success Failed Success Success Success Success Success Success
	+	<ul> <li>GXV3672_HD WH Cargo Check Right</li> <li>GXV3662 - Front Door Center</li> <li>GXV3601 - WH Rear Left</li> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601 HD - 182</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear 1</li> </ul>	nt Failed Success Success Failed Success Success Success Success Success
	<= <	<ul> <li>GXV3662 - Front Door Center</li> <li>GXV3601 - WH Rear Left</li> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601HD - 182</li> <li>GXV3601HD - 182</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear 1</li> <li>GXV3611LL-Right Rear 1</li> </ul>	Success Success Failed Success Success Success Success Success
	*	<ul> <li>GXV3601 - WH Rear Left</li> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601HD - 182</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear 1</li> </ul>	Success Failed Success Success Success Success Success
	*	<ul> <li>GXV3601 - WH Rear Right</li> <li>GXV3601 - 180</li> <li>GXV3601HD - 182</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear Right</li> <li>GXV3611HD - WH Rear 1</li> <li>GXV3611LL-Right Rear 1</li> </ul>	Failed Success Success Success Success Success
	*	GXV3601 - 180     GXV3601HD - 182     GXV3601HD - 182     GXV3611HD - WH Rear Right     GXV3611HD - Warehouse     GXV3611LL-Right Rear 1     GXV3611LL-Right Rear 1     GXV3611LL-Right Rear 1	Success Success Success Success Success
	<= 	Consciencing from the second	Success Success Success Success
	*	Consciousing from the set of the	Success Success Success
	•	Consciencing time	Success Success
	•	GXV3611LL-Right Rear 1	Success
	•		0
		🔲 Open Auto Syn	chronize
		Interval 1	Min
Time:	16:38:38		
		🔲 Run when Wir	ndows starts
Time:	15:49:28		
	Time:	Time: 15:49:28	Time: 15:49:28

# Figure 26: Device Time Configuration



#### **CONVERT VIDEO FORMAT**

The recorded video is saved in H264 format, which might not be supported by certain video players. An AVI converter tool is provided in GSurf\_Pro. Click on **Manage tool**->**AVI Conversion Tool** to open the converter. Add video to be converted and the output file will be saved in the configured directory in AVI format.

* <sup>°</sup> AVITool		_ 🗆 ×
file name D:\Record\Normal\2013-01-22\192.168.44.105_42-47-1D(192.168.44.105_554)_1_2013_01_22_12_10_34.h264	state 100%	Add
D:\Record\Normal\2013-01-22\GXV3601HD(192.168.44.114_554)_1_2013_01_22_11_41_07.h264	100%	Delete
		Stop
Convert Format: AVI		
Output directory: D:\Record\Normal\2013-01-22 Open		

Figure 27: Media Convert Tool



#### **USER MANAGEMENT**

The GSurf\_Pro administrator can add, modify and delete users as well as issue users different privilege levels.

#### 1. Click on Manage tool->User Manage.

2. In the User Manage window, users could add, edit and delete users. A list of configuration authorities is provided so each user could be assigned with different privileges.

lser Manage		×
User Right admin Administrator	Add Username:	
	passowrd: Delete	
	Authority         Time schedule configuration         Alarm rule action configuration         local config         Device Configuration         User management         Log management         Clear log info.         Clear log info.         Record         Capture         Resize Window         System Exit.	

Figure 28: User Management



#### **IMPORT/EXPORT CONFIGURATION**

The GSurf\_Pro configuration can be imported or exported for backup and restore purpose. Click on **System Config->Export Config** to open the import/export window. Users could also select the configurations for the backup file.

Export/Import Configuration	X
Exported Module	
☑ Device,group info,Time schedule,Alarm action rule,Electronic map,Local configuration,User info,Log info	Export Import
V Alarm Info	
Sound File	

Figure 29: Configuration Import and Export



#### **GSURF\_PRO TRANSFER SERVER**

The GSurf\_Pro embedded transfer server can cooperate with client side to effectively reduce the workload on the front-end cameras. The surveillance system utilizes the transfer server as the medium to monitor the devices in a distributed manner.

#### SERVER SIDE

1. Open the Transfer server from **Manage Tool->Tran Server**. A login window will pop up.

🔬 TransServer	
User name:	admin
Password:	•••••
A 🔊	Remember Me
E 4	Auto Login
	ogout Auth
Login	Cancel

Figure 30: Transfer Server Login

2. After login, click on **Config->System Config** to open the following server configuration window. The listening IP address is the PC's IP address. For the port number, it is recommended to use default value or big value.



System(E) View(V)	Config(C) Manage To	olG) Help(H)			
Device browser	×	ransmit List			
DVS DVS	Devic	e Name(Address)	Stream Type	Connecting Sessions	
	S	erver Configuration			
		Listening IP	[10.0.0.244 -		
		Port	554		
		Max transfer count	20		
Log list	· · · · ·				>
Date	Time			e d info	
2013-01-15	16:43:05	ок	Cancel	Login	
	-				

#### Figure 30: Transfer Server Configuration

- 3. Click on *for the search tool*.
- 4. In the search tool, press **Search** button to get a list of devices in the same LAN.
- 5. Select the devices in the result list and click Add.

TransServer S				Search Device						
System( <u>F</u> ) View( <u>V</u> ) C	onfig( <u>C)</u> Manage Too	ol( <u>G)</u> Help( <u>H</u> )	Index	Model	Version	Device name	IP	HTTP Port	RTSP Port	MAC
🔊 📑 📷	EX A		1	IPCAMERA GXV3672HD	1.0.1.68	GXV3672HD 4.2	10.0.0.193	8093	10093	00:0B:82:42:47:6D
			2	IPCAMERA GXV3672FHD	0.60.1.68	GXV3672FHD	10.0.0.191	8091	10091	00:08:82:42:48:15
			3	IPCAMERA GXV3672FHD	1.0.1.68	GXV3672FHD 4	10.0.0.192	8092	10092	00:0B:82:42:48:0E
Device browser	<u>л ×</u>	ansmit List	4	IPCAMERA IP960	1.0.1.68	IP960 - WH Fac	10.0.0.187	8087	10087	00:0B:82:3C:DF:4B
DVS	Device	Name(Address)	5	IPCAMERA GXV3662HD	1.0.1.68	GXV3662 - Fron	10.0.0.151	8051	10051	00:0B:82:29:5C:F3
🖮 🗐 IP Camera			6	IPCAMERA 3611HD	1.0.4.38	GXV3611HD-W	10.0.0.171	8071	10071	00:0B:82:24:A1:25
	g Door		7	IPCAMERA 3601	1.0.4.38	GXV3601 - 180	10.0.0.180	8180	10180	00:0B:82:00:00:00
	Center Corr		8	IPCAMERA GXV3615WP_HD	1.0.1.60		10.0.0.210	80	554	00:0B:82:3E:36:29
	H Cente Dc =		9	IPCAMERA 3611HD	1.0.4.38	GXV3611HD	10.0.0.181	8081	10081	00:0B:82:26:CB:0A
	rgo Check 4		10	IPCAMERA 3601	1.0.4.38	GXV3601	10.0.0.179	8079	10079	00:08:82:20:15:88
GXV3672FHD 4.2 \	WH Center [		11	IPCAMERA 3611HD	1.0.4.34	GXV3611HD	10.0.0.183	8083	10083	00:0B:82:26:CA:C3
GXV3672FHD - Ca	rao Check :		12	IPCAMERA 3611HD	1.0.4.38	GXV3611HD	10.0.0.184	8084	10084	00:0B:82:26:CA:EE
GXV3662-Back Do	or Outside		13	IPCAMERA 3601HD	1.0.4.38	GXV3601HD - 182	10.0.0.182	8082	10082	00:08:82:1D:38:90
GXV3662 - Front D	loor Center		14	IPCAMERA 360 1LL	1.0.4.38	GXV3611LL-Rig	10.0.0.178	8078	10078	00:0B:82:1F:CA:AA
GXV2662EHD - Ca	rao Check		15	IPCAMERA GXV3672HD	0.60.1.68	GXV3672_HD W	10.0.0.186	8086	10086	00:0B:82:42:47:00
			16	IPCAMERA GXV3662FHD	1.0.1.68	GXV3662FHD	10.0.0.189	8089	10089	00:0B:82:42:48:3C
	.,		17	IPCAMERA GXV3662FHD	1.0.1.68	GXV3662FHD	10.0.0.188	8088	10088	00:08:82:42:48:4C
			18	IPCAMERA GXV3672FHD	0.60.1.68	GXV3672FHD	10.0.0.190	8090	10090	00:0B:82:42:48:0F
< III	P P		19	IPCAMERA GXV3662HD	1.0.1.68	GXV3662-Back	10.0.0.177	8077	10077	00:0B:82:2D:29:89
Log list			20	IPCAMERA GXV3651FHD	1.0.1.68	GXV3651FHD	10.0.0.175	8075	10075	00:0B:82:2B:40:FC
Log list			21	IPCAMERA 360 1LL	1.0.4.38	GXV3601LL - W	10.0.0.169	8069	10069	00:0B:82:1F:CA:B0
Date	Time	User	22	IPCAMERA 3601	1.0.4.34	GXV3601 - WH	10.0.0.164	8064	10064	00:0B:82:1F:96:85
2013-01-15	16:43:05	admin	23	IPCAMERA 3601	1.0.4.38	GXV3601-Left R	10.0.0.172	8072	10072	00:0B:82:20:15:81
2013-01-15	16:50:47	admin	24	IPCAMERA 3601	1.0.4.38	GXV3601N - Pill	10.0.0.166	8066	10066	00:0B:82:20:15:C6
2013-01-15	16:51:41	admin	25	IPCAMERA 3601	1.0.4.38	GXV3601 - WH	10.0.0.165	8065	10065	00:0B:82:1F:96:AA
2012 01 15	16,51,41	admin	26	IPCAMERA 3601	1.0.4.38	GXV3601 - WH	10.0.0.168	8068	10068	00:0B:82:20:15:AA
2013-01-13	10:01:41	admin	27	IPCAMERA GXV3615WP_HD	1.0.1.68	GXV3615WP_HD	10.0.0.170	8070	10070	00:0B:82:27:F0:B7
2013-01-15	10:51:41	admin	28	IPCAMERA 3601HD	1.0.4.38	GXV3601HD-Lef	10.0.0.173	8073	10073	00:0B:82:1F:CA:79
✓ 2013-01-15	16:53:21	admin	29	IPCAMERA 3601HD	1.0.4.38	GXV3601HD-Lef	10.0.0.174	8074	10074	00:0B:82:1F:CA:8B
aligned 2013-01-15	16:53:21	admin								
2013-01-15	16:53:21	admin						Search	Add	Cancel

Figure 31: Add Devices to Transfer List

6. Those devices will then be displayed in the transfer list.

The main display window will show the traffic status when the traffic starts.



#### **CLIENT SIDE**

The client side is the GSurf\_Pro RTSP server.

- 1. In the **Device browser**, right click on **RTSP server**.
- 2. Click Server Config to add devices to the local list.



Figure 32: RTSP Server



#### **GSURF\_PRO FILE SERVER**

#### SERVER SIDE

The file server can provide the record files in local disk to other hosts within the network for search, download and replay. To configure the GSurf\_Pro as the file server, go to **Manage Tool**->**File Server**. Click on the **Configuration** button to set up listening IP and port. Then start the server.

ate	Client info	Operation type	Info	Start server
				Stop server
	Configu	ration	<b>x</b>	Configuration
	List	ening IP: <u>10.0</u> . ening port: 5000	0.244 -	Put to top
		Ok	Cancel	

Figure 33: GSurf\_Pro File Server



#### **CLIENT SIDE**

The client side is the replay tool in the GSurf\_Pro. Go to **Manage Tool**->**Replay Tool** to open the replayer. When option **Remote Search** is selected, users would need fill in Recorder address and Recorder port of the server side. Once searching is done, the record files can be downloaded and played locally.

Replayer		
System( <u>S</u> ) V	ïew( <u>V)</u> Help( <u>H</u> )	
Quest		
Start time	1/15/2013 - 12:00:00 AM	
End time	1/15/2013 🔻 11:59:59 PM	•
Search type	Device name	•
Device name	All	•
Chanel ID	All	•
File type	All	•
Recorder address	☑ Remote search	_
Recorder port		
	Search	
Duest 🚵	Time section	Ŧ

Figure 34: Replayer Remote Search

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#### FREQUENTLY ASKED QUESTIONS

#### **Q:** How many cameras does GSurf\_Pro support?

**A:** The GSurf\_Pro can support up to 10 groups x 36 channels cameras at the same time. However, when using HD camera (720P and up), the maximum number might be limited by the PC processor. When displaying multiple videos, the GSurf\_Pro will adjust the display to secondary stream to increase system resource efficiency. If users click on one of the video, the display will be automatically converted to primary stream for better quality.

**Q:** Does GSurf\_Pro have any requirement on the PC where it's installed?

**A:** Yes. Please refer to section [MINIMUM COMPUTER SYSTEM REQUIREMENT] for details. Before installing GSurf\_Pro, it is recommended to evaluate the system requirement (network traffic, disk space, file directory and etc).

Q: Is there any requirement on the transfer server?

**A:** In most of the cases, the transfer server will have large amount of network flow going through. Therefore, it is recommended to use the machine with Gigabyte network interface card.

Q: What are the factors that might affect the disk space?

**A:** The disk space is mainly affected by the primary stream bit rate. Normally HD video will take more space than standard definition video.

**Q:** I have configured the alarm action on GSurf\_Pro already but I still didn't get alarm. Why?

**A:** Besides configuring alarm action on GSurf\_Pro side, the alarm has to be activated on the camera side and configured to report to the alarm center. Users could configure this by directly accessing camera's web GUI or via GSurf\_Pro's remote configure interface.



#### EXPERIENCING THE GRANDSTREAM GSURF\_PRO

Please visit our website: <u>http://www.grandstream.com</u> to receive the most up- to-date updates on firmware releases, additional features, FAQs, documentation and news on new products.

We encourage you to browse our <u>product related documentation</u>, <u>FAQs</u> and <u>User and Developer Forum</u> for answers to your general questions. If you have purchased our products through a Grandstream Certified Partner or Reseller, please contact them directly for immediate support.

Our technical support staff is trained and ready to answer all of your questions. Contact a technical support member or <u>submit a trouble ticket online</u> to receive in-depth support.

Thank you again for using Grandstream GSurf\_Pro Network Video Surveillance System.



## Table 4: COMPARISON OF GSURF\_PRO AND GSURF

Feature Comparison	Gsurf	Gsurf_Pro
Realtime Play	$\checkmark$	
Realtime Recording	$\sqrt{\text{(primary, 2nd stream)}}$	$\sqrt{(\text{Primary Only})}$
Backend Recording		
Primary/2nd stream switchable based on		2
arrangement of display windows.		N
Electronical Map	$\checkmark$	$\checkmark$
Operation and Alarm Log	$\checkmark$	$\checkmark$
Control Console	$\checkmark$	$\checkmark$
Group Patrol Viewing	$\checkmark$	$\checkmark$
Sorting Display Window Order when in		$\checkmark$
Group Patrol Mode		,
1,4,6,8,9,16,20,25,36 Display Window	$\checkmark$	$\checkmark$
Time Table Configuration in Automatic	$\checkmark$	$\checkmark$
Configuration of Alarm DO/DI	2	2
Less Configuration		N
	N	N
Local Configuration - Smart Deletetion		$\checkmark$
Local Configuration – WatchDog Switch ON/OFF		$\checkmark$
Local Configuration - Autorun as service when power on	$\checkmark$	$\checkmark$
Local Configuation - Display window arrangement of primary stream		$\checkmark$
Device Configuation	$\checkmark$	
Device Configuation - Batch configuation of automatic scheduled (time) recording		$\checkmark$
Server Configuation		



Import, Export Configuation	$\checkmark$	$\checkmark$
Play Mode (Manual, Patrol)	$\checkmark$	$\checkmark$
Multi-Language Switch		
Management Tool - User management, Log management	$\checkmark$	$\checkmark$
Management Tool - Replay Tool	$\sqrt{(\text{Single Window Replay})}$	$\sqrt{(upto 4 Window Replay, Remote download Replay)}$
Management Tool - Search Tool	$\checkmark$	$\checkmark$
Mangement Tool –		2
Search Tool with Wi-Fi Configuration		v
Transaction Server		$\checkmark$
File Server		$\sqrt{(\text{Combined with Replay Tool})}$
Multi-Screen Display		$\checkmark$
H264 - AVI Convert Tool		
Synchronization tool for device time		$\checkmark$
Broadcasting Tool		
Smart Delete Module	√ (Only delete based on files with ealiest date, not accurate)	<ul> <li>√ (Delete based on Date, delete based on earliest file, more accurate)</li> </ul>