

IP Surveillance

Application Note

VAST Network settings

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Revision History

Version	Issue date	Author	Comment
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0.2	2010/10/01	Emily Chen	Revised (1.1, 1.2, 2.1 and some figures)
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Introduction

VAST is a video management solution that allows the client and server to be installed on different machines. To ensure client access, we have made it easy to configure a VAST server for access over the Internet, and to facilitate data communications when the machines are located on different LANs.

This document is divided into three sections:

- 1. Configuring a VAST server for access over the Internet
- 2. Connecting to a VAST server via a proxy server
- 3. Viewing live video with a mobile phone



1. Configuring a VAST server for access over the Internet

You may occasionally need to configure the VAST server so that it can be accessed from anywhere over the Internet. There are two approaches for achieving this.

1.1 Connecting via PPPoE

It is not necessary to forward any ports for the VAST server.





(1) You can manually forward the station port (3454 by default) for the VAST server and the RTSP port (554 by default). *In the example shown in the figure below, the VAST server's IP address on the LAN is 192.168.14.55.*



- (2) Alternatively, you can enable port forwarding so that you do not need to forward ports manually.
 - a. Run the VAST LiveClient program.



b. Click Configuration > Station Settings > Network Settings to configure UPnP settings.





c. Enable UPnP port for	orwarding.	
·	Vetwork Settings	
	Port Settings	
	Server port: 3454	
	RTSP port: 554 2 Apply	
	UPnP Settings	
	Enable UPnP port forwarding	
	Enable UPnP presentation Apply	
	Proxy Settings	
	I Enable Proxy	
	Address: 192.168.14.22	
	Port: 80	
	User Name	
	Decement:	
	Password.	
	Apply	
	Web Access Settings	
	Enable Web Access Apply	
	Close	
l.		
	100 ⁻⁰⁰	



1.3 Obtaining a public IP address

After connecting to the Internet and logging into the local station, you can obtain a public IP address by right-clicking on the icon corresponding to the station.





2. Connecting to a VAST server via a proxy server

In certain situations, cameras or VAST clients may not be able to establish a connection to a VAST server due to network problems. If cameras and VAST clients cannot establish a connection with the VAST server, but there is a proxy server to which all cameras, VAST clients and VAST servers can establish a connection, the proxy server can be used for data communications.

2.1 Configuring a VAST server for access via a proxy server

A VAST server can be set up to connect to cameras through a proxy server by using the following steps.

(1) Run the VAST LiveClient program.



(2) Click **Configuration** > **Station Settings** > **Network Settings** to configure proxy settings.

1(12	Camera Management Station Management User Management Association Management	•	Matrix View
g Sti	Event Management Virtual Matrix Management	•	
	Station Settings	•	General Settings
	Client Settings	- • [Network Settings
	Ó		Recording Storage Settings Recording Schedule Settings Scheduled Backup Settings Server Settings Relay Settings



(3) Place a check by Enable Proxy, and enter the correct address, port, user name, and password.



2.2 Transferring clients to proxy server

VAST clients can connect to a VAST server via a proxy server.

(1) LiveClient

a. To use a proxy server with LiveClient, click **Configuration** > **Client Settings** > **Proxy Settings** or launch the login window to configure proxy settings.

Configuratio	on Layout Help			
Camera M Station M User Mar 2 Associatio Event Ma 0 Virtual M	Management Ianagement nagement on Management inagement atrix Management	Matrix View	→ ¶	
Client Set	ettings ttings	 Snapshot Set Recording Set View Settings General Setti Joystick Setting Proxy Settings 	ttings ettings s ings ngs js	
	VAST LiveClient			
	Image: Constraint of the second station Address: 127.0.0 User Name: root Password: Image: Constraint of the second station Port: 3454).1		

b. Place a check by Enable Proxy, and enter the correct address, port, user name, and password.

🍯 Proxy Setti	ngs	X
🔽 Enable Pro	ху	
Address:	192.168.14.22	2
Port:	80	
User Name:		
Password:		
	ОК	Cancel



(2) Playback

a. To play back video using a proxy server, click Configuration > Client Settings > Proxy Settings, or launch the login window to configure proxy settings.

Configuration	Layout Help
Client Settings	Snapshot Settings Export Settings View Settings
nt Search Log Viewer	Proxy Settings
is tion1(127.0.0.1)	General Settings PiP Settings
VAST Playback	station
Address:	127.0.0.1
Password: Port:	3454
Proxy Settings Working Offline	Login Cancel Hide <<

b. Place a check by Enable Proxy, and enter the correct address, port, user name, and password.

Enable Pro	xy
Address:	192.168.14.22
Port:	80
User Name:	
Password:	-



3. Viewing live video with a mobile phone

To view a live video stream using a mobile phone that supports only port **554**, set the station port to 554. You must also **disable rtsp authentication**.

- (1) Go to the VAST installation directory, and find the text "Server\streamingserver.xml".
- (2) Change the value of the parameter "disable_rtsp_authentication" to "true".
- (3) Restart the VAST service.

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(4) Select Output Streaming URL to display the URL command, which can then be entered into a cell phone:

rtsp://<public IP>:<station port>/Media/Live/Normal?camera=C_1&streamindex=1

