

## BiGuard SSL



# BiGuard SSL VPN Remote Surveillance Solution

## Current

The Internet is widely used in our daily life. One of the applications of Internet is the surveillance system. The surveillance system can now be controlled remotely through Internet. Therefore, there are more widespread applications of surveillance equipments. For example, this comes in handy for home, workplace, school, community security, health and elderly care centers, hospital, etc.

All these applications can be started without spending much money to build a complex system. There are many IP cameras on the market that can be used for remote surveillance by just connecting it to the Internet. However, the image is transmitted through the public Internet, therefore intruders can use hack tools to steal packets, and then intrude the surveillance system. The security of the transmission should gain the highest attention when implementing the system.

## Solution

Billion suggests using SSL VPN encryption, to ensure that only the authenticated users can access the surveillance equipments. Using the SSL VPN gateway hardware encryption function, all the packets are 128 Bit encrypted to make them unreadable even when being captured.

## Network

- ◇ Camera side (such as home, community) : Connect the monitor in the community or at home to BiGuard SSL VPN , then connect BiGuard SSL VPN gateway to the Internet by ADSL or Cable modem. Any remote user needs to be authenticated by this access point before being able to monitor through the camera.
- ◇ Surveillance side : The remote user can use any PC which can connect to Internet and has a web browser such as Internet Explorer. Connect by entering the IP address or domain name of the BiGuard SSL VPN gateway.

## Advantage of using BiGuard SSL

High Security	Use 128bits SSL encryption and firewall.
System Scalability	Opened structure. Can add cameras and add more users according to the need.
System Integration	Integrate with security check points 、 alarm 、 PDA 、 Wireless, etc..
Web-Base Platform	Web-style application, allow multiple users at different locations to access.
Grouping Management	Manage user account by groups.

# Network Structure

