

# PSG2 Server Requirements

Our server requirements are based on tests done on the Compaq/HP ProLiant DL 580 system which supports the following two scenarios,

1. 1000 call connections supported per minute. If using a wireless connection with the server, this number is limited to 60 as that is the number of 'stable' client connections an enterprise level Access Point can support simultaneously.
2. 50 video streams supported at a time.

If audio and video requests occur in parallel, then the number of connections supported at any given instant will change based on the percentage of connections of each type.

## **Server Specification**

1. CPU: Dual 2.2 GHz Xeon
2. Memory: 2 GB RAM
3. Disk Space: 100 MB free Disk space for the PSG2 server software installation. Additional disk space is required if Video files are stored and transmitted from server. The amount of extra space depends on the codec used for recording the video files and the resolution of the input feed. The PSG2 capture program supports the Window Media Video 7, 8 and 9 video codecs and the MPEG-4 codec with an associated compression ratio of 2.4:1 to 3.8:1.
4. Network: 802.11b/ 802.11g/ 802.11a client for wireless connectivity or 100 Mbps Ethernet connection if using a wired network
5. Operating System: Windows 2000 Server
6. Additional Software: Java 1.5

## **Hardware Redundancy for Failover Support**

If the system is to be designed for Failover then we will have to split the server functionality as follows,

1. Primary Web Server on one machine
2. Primary Database Server on one machine
3. Backup Web Server on one machine
4. Backup Database Server on one machine
5. Compaq Smart Array Cluster Storage Shared Drive for database sharing between the Primary and Secondary Database servers

Thus, four server machines are required for the failover setup.