

Streaming Server by Home Video Camera

Part1. Current Condition

Recently, when broadband lines are spreading, it has become easy to have a streaming server, and it has been getting attention as a way to transmit information.

When the word "broadband" is being used all around, I believe there are those who remember advertisements saying that TV can be watched by using the broadband offered by ISPs.

However in present condition, there are various obstacles for having an individual video streaming server, like listed below.

There are numerous individual "Radio Streaming Server".

(1)But there are only few "Video Streaming Server".

Broadband and fiber optics is spreading.

(2)But, having a home server requires you to learn how to setup routers and server softwares, so it is hard for newbies to start.

Using a rental server costs too much maintenance fee, and there are restrictions on the contents.

(4)If there are restrictions on the contents and file size, freedom of the internet is lost.

(5)Live image cannot be delivered by a rental server.

Part2. Proposal

In order to solve the problems mentioned above, I propose to you

Streaming Server by a home video camera using IPv6

The following is the feature of this server

The charger of the home video camera and server is integrated, so the video is automatically transmitted to the server when recharging.

By using IPv6, server is made by just connecting to the internet, and setup is easy.

Home server has no monthly cost, and no contents restriction.

If a password is set, video is sent to only limited people.

Since the DV Cam itself is the server, it is unnecessary to leave the PC on.
By using Bluetooth, server setup can be done by a cellular phone, TV, etc.

Part3. Development

By developing this server, these kinds of services could also be done

Edited image and live image can be both distributed.

(1) Live image of events can be distributed, and for those people who missed the live image, an edited version can be made and distributed.

(2) Video captured by a cellular phone can be distributed.

Live image can be distributed without the use of a "Web cam".

(3) By mounting a small camera on to a child, the view of child can be distributed real-time.

(4) By only distributing sound, it can also be used as an "Internet Radio".

Images taken every 5 seconds can be distributed for cellular phones.

(5) By using it as a security camera for a shared space of a condo, the status of the condo can be checked by a PC or cellular phone anytime.

A server is made by just connecting, and setup is easy.

(6) The creation of an Internet TV can be experienced as a part of a lesson by letting the children setup, film and edit on their own.

