Video Backup Software

Version 1.00

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VT TECH

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1. Purpose:

The Video Server Software is a video backup server designed for large-scale video surveillance deployments, designs for organizations that need to keep their surveillance video data in a safe place for long periods

- All daily recorded data of the systems are stored at a different secure offsite location.
- User can define backup schedule at the Central Server Station.
- The system employs the existing available network transmission.
- Get timely, accurate data extracting as required.
- Ready to review, segment, and copy segments on demand.
- Statistics, reporting system performance
- Data backup periodically.

2. System Description:

VBS provide organizations to back up all their surveillance cameras data at independent locations to the central server station, while allowing them to retrieve their video data whenever required

With a centralized administration database, control, monitoring, and monitoring information are periodically reported to all designated members of the system.

Centralized management provides the administrator to review and configure the following requirements:

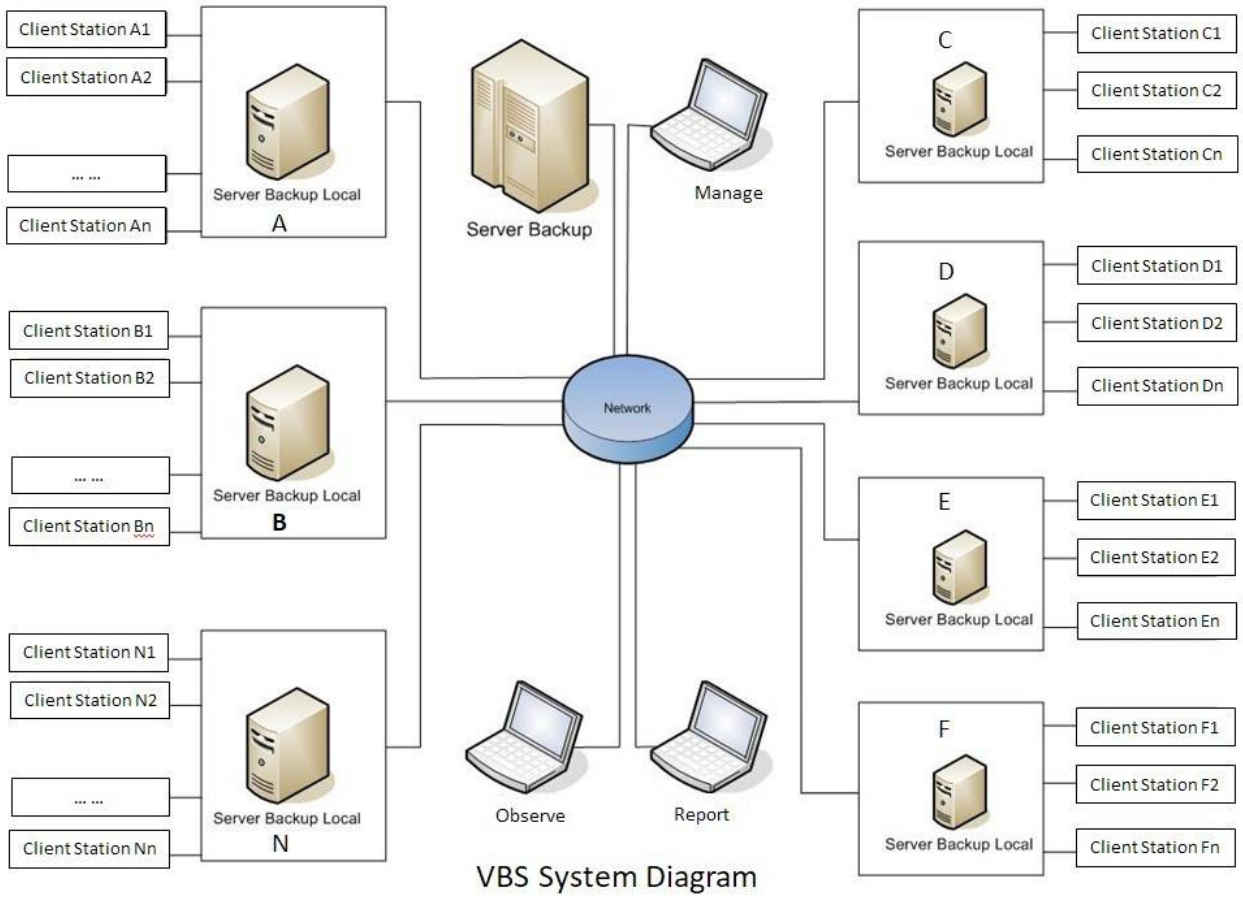
a. System configuration:
   - Limit the speed of data backup in detail at each point.
   - Schedule automatically back up data.
   - Routing data backup in groups.
   - Set storage time limit.
   - Define the storage space of each backup server.
   - Set alarm limits when the criteria exceed the allowable level.

b. Data backup
   - Perform backups from independent local storage servers where predefined configurations are set (Section a).
   - Partitioning areas when backed up objects are un-completed (File data)

c. Monitoring and supervision
   - Online monitoring the status of backup data streams.
   - Warning of data streams when bad situations occur.

d. Report
   - Report on the performance of the whole system, of each data stream after the periodical implementation per schedule.
   - System status report: Transmission, data, storage space.

- An overview chart of the system, helping the leader make quick decisions about the system. (Repair, upgrade, replace, ...)



3. Main Features:

3.1 Automatically Backup Scheduling

Allows user to schedule automatic backup time for each point, by hour or day period.

For example: Time backup data holidays include the whole day, working days from 6:00PM the previous day to 7:00 AM the following day

3.2 Routing data backup in groups

The system allows the backup of data by group of independent workstations or servers. Grouping allows the system a high level of data security, prioritizes continuous backups, or prioritizes backup levels.

This implementation also ensures continuous storage space. The data group of these servers will be stored continuously.

3.3 Define the storage space of each Server Backup

Setting the storage space for each workstation server, this will easily help to manage when and how much storage space is needed and suitable for data generated by each server over time.

3.4 Set a warning level when the criteria exceed the allowed level

The system allows the establishment of norms: backup time, transmission capacity, transmission quality, overall storage space, storage space by region...

3.5 Pre-configured backup data from independent storage server to another pre-defined location

If configured, this function allows temporary backup at the intermediate storage server when the problem occurs: Transmission, Server backup crashed,

3.6 Partitioning when not backed up objects (File data)

After the time of performing the backup according to the configuration, if the data has not been backed up, it will be automatically marked, delimited into the data area, this data will continue to be backed up to the next backup cycle.

3.7 Hot unplug the hard drive

System management software allows users to perform hot swapping of hard drives while the system is running, without affecting the operation and data of the system. This function requires hardware that requires the server to install RAID 1, 5, 6, 10.

3.8 Online monitoring the status of backup data streams

The system provides the user with an administrative interface for manage and monitoring the data streams are being backed up on the system.

3.9 Warning of data streams when bad situations occur

With the norms set out in section 3.5, the system will carry out warnings to the administrator, or related persons according to the configured configuration. The system will issue alerts to administrators through the following forms: Alarm bell, change font color, send email...

3.10 Sends a warning message to the administrator when the system crashes

Along with the alert forms on the network, the system will send out alerts to administrators through the form of sending SMS with serious errors and warnings.

3.11 Status report of the system:

- Transmission status report.

- Report data flow during backup.
- Report storage space.

3.12 An overview chart of the system, which allows the administrator to quickly make decisions for the system (Repair, Upgrade, Replace…)

- The system provides the chart:
- Capacity development graph.
- Transmission quality charts.
- Chart of total backup data cyclically.

3.13 User administration

- The system allows the establishment of a system for administering user security through the following forms:
- Create user rights for all functions.
- Set permissions for a function: View, edit, delete.
- Create a group right.
- Assign user right to the group.

3.14 Report user activity logs.

The system stores all users' access information, editing and making changes.

3.15 Report system configuration changes over time.

Reporting system changes by time, changes made by which administrator, previous changes and current changes

3.16 Support connect with Android/iOS devices.

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