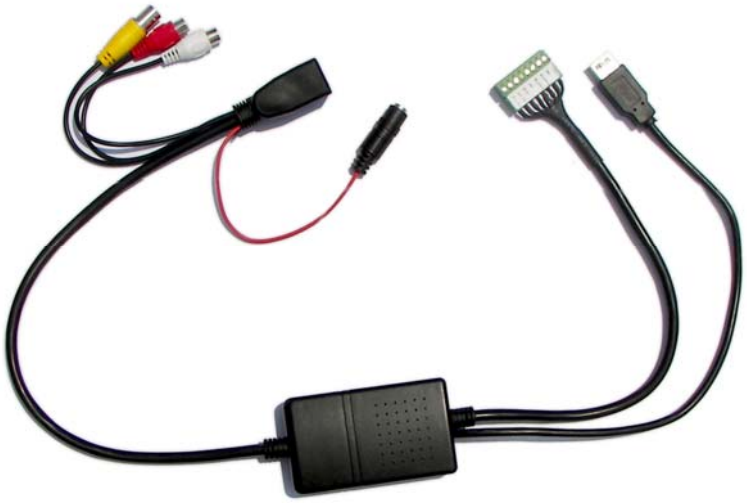
VSS35 Network Video Server

- Network Video Server based on TI DaVinci DM355 ARM9 Processor with a 640MHz DSP Core
- Ethernet, USB, SD, PTZ, Alarm, Video, Speaker, Camera, Pickup
- D1 + CIF Dual-stream MPEG4 Encoder
- Support Front-end Storage, Remote Monitoring, Motion Detection, etc.

VSS35 Network Video Server is a video processing, control and transmission equipment which based on TI DaVinci DM355 digital media processor (32-bit dual-core ARM + DSP) design, the core of which is embedded RTOS to run high-performance computers and video DSP. It is highly integrated, and has a compact structure, small size. Digital video input to the embedded computer after compression. Network users can directly use the internet browser or other professional software to watch the observation of long-range-camera, also the network video server can be set, operated through the internet. Then users can control PTZ (Pan / Tilt / Zoom), lens, etc.



VSS35

Technical Specifications

- Processors: DM355 (32 bit dual-core ARM9 + DSP), a purely hardware compression, watchdog, 32MB FLASH, 128MB DDR2
- 1-channel CBVS video input, PAL / NTSC auto-detection. Video processing functions: D1 + CIF dual-stream MPEG4 encoder, AVI format, bit stream 0.1M ~ 4Mpbs adjustable; frame rate 1f~30f/s adjustable; low code-stream and high-definition stream-media processing function.
- 1-channel audio input (can connect with pickup), 1-channel audio output (can connect with headphones or speakers). Audio processing functions: support Bi-way talking system,

G.711 encoding, G.711 codec.

- 1-channel 10/100M Ethernet interface, supporting FTP / PPPOE / DHCP / DDNS / NTP / UPnP network protocol, etc.
- Tow Micro SD card interfaces, a high-speed USB interface. Support front-end dual-Micro SD memory card or USB mobile storage device access.
- VSS35 provides RS422/RS485 serial port to support transparent serial transmission, tilt control support, high-speed ball machine or external cameras and other equipment.
- VSS35 has 1-channel switch input (can connect with external alarm button); 1-channel switch output (can connect with external siren).
- 12V DC power input, 3W power consumption.
- Functions: front-end storage, remote monitoring can also be stored (running Embedded Web Server and supporting the functions of video server), Motion Detection Alarm / Storage linkage, OSD, unified client remote monitoring (UC) and control software.

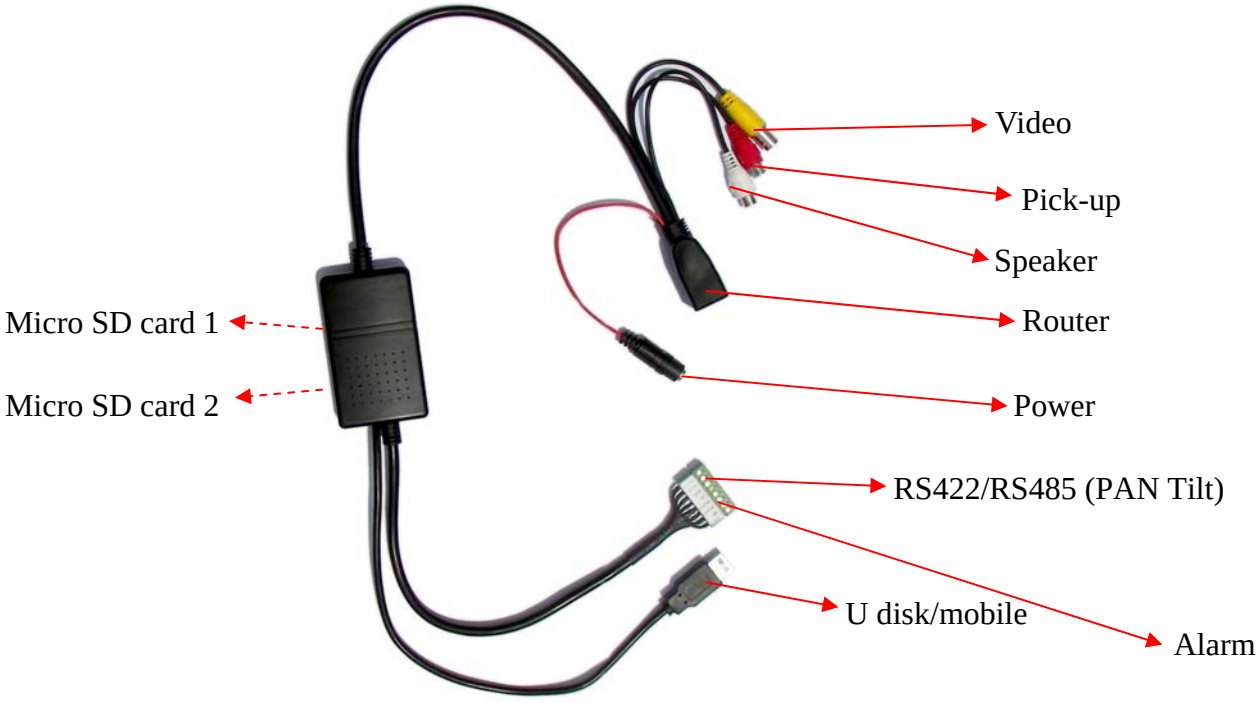
Applications

- Video Monitor of Buildings
- IP network camera
- Video Monitor of Baby
- Construction Monitor
- Monitor System of Oil-field.

Product Advantages

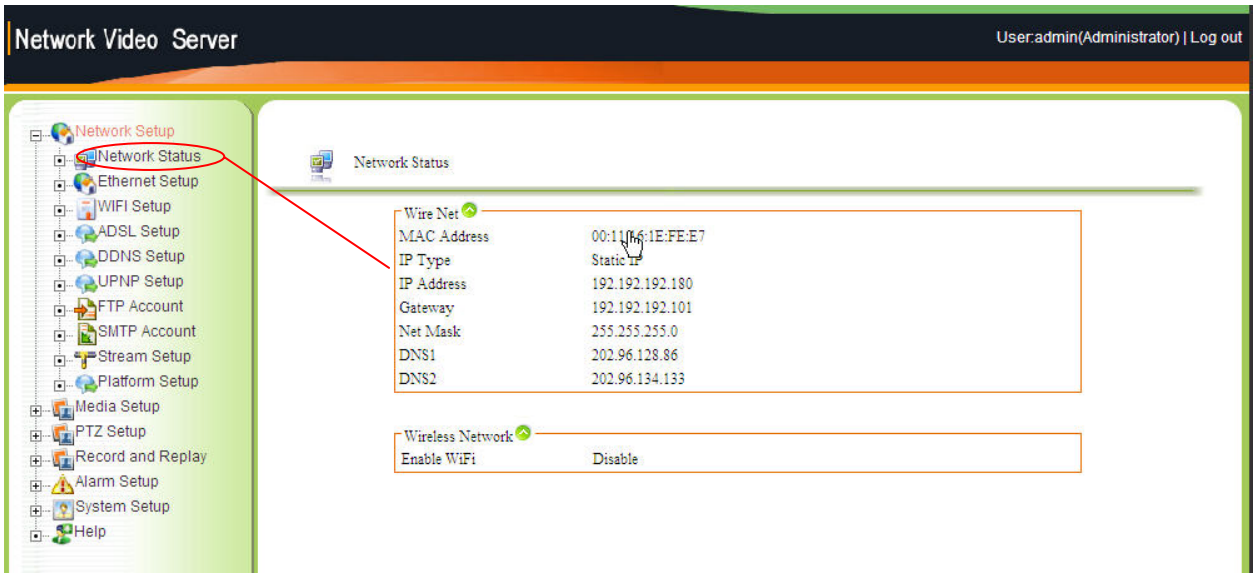
- Compact size which is easy to carry and install.
- Use IE browser to operate and monitor, no need to install other software.
- Accessories are wealthy in resources. This can reduce installation cost effectively.
- Low power consumption which can save the power effectively.
- Support Motion detection. When there are some moving actions in the monitor screen, VSS35 video server will send the images to the designated E-mail or FTP, and warming the security personnel, whose continuous monitoring of fatigue can be reduced greatly.

VSS35 Connection Diagram



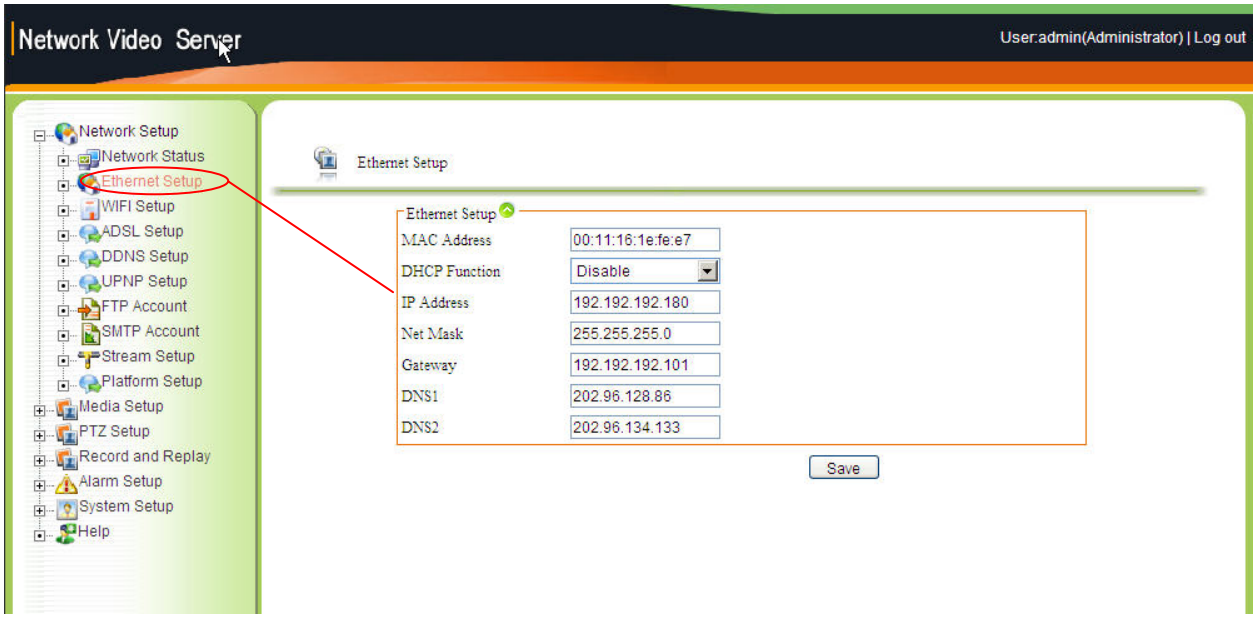
Main Operation Interface

Network Status



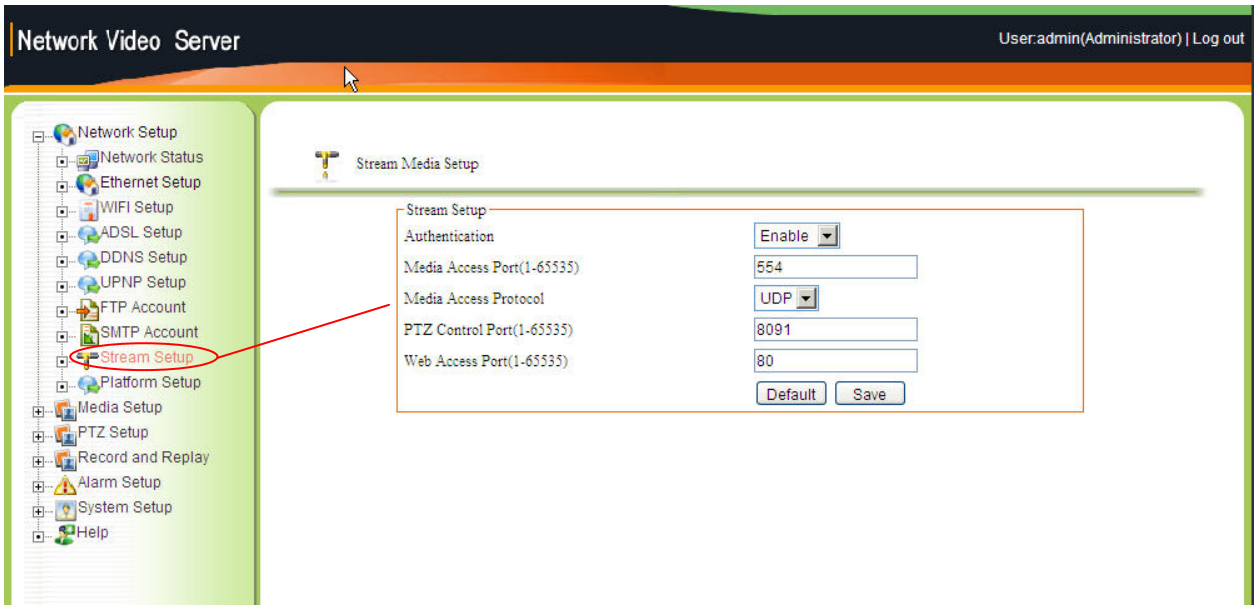
It shows that the network status. You can know about MAC Address, IP Type, IP Address, Gateway, Net Mask and DNS of the network video server through this interface.

Ethernet Setup



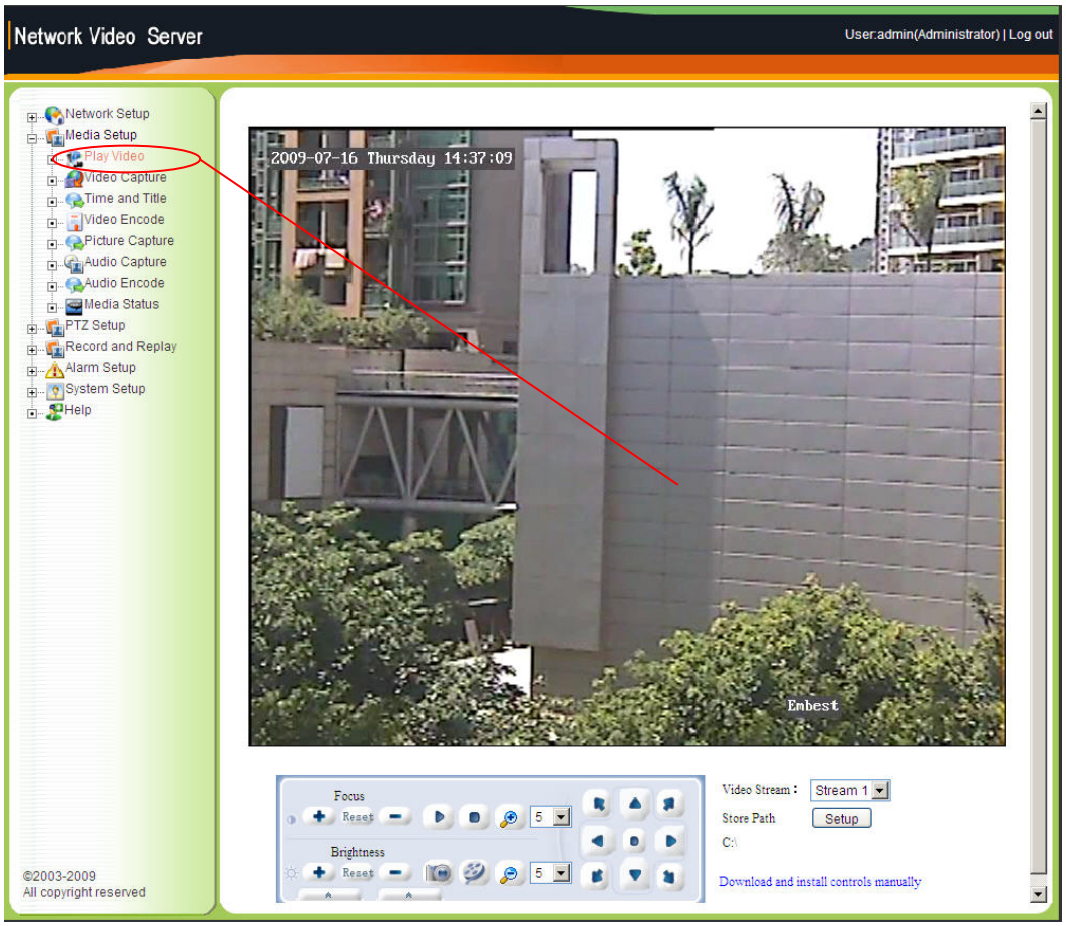
You can change MAC Address, DHCP Function, IP Address, Gateway, Net Mask and DNS of the network video server through Ethernet Setup.

Stream Setup



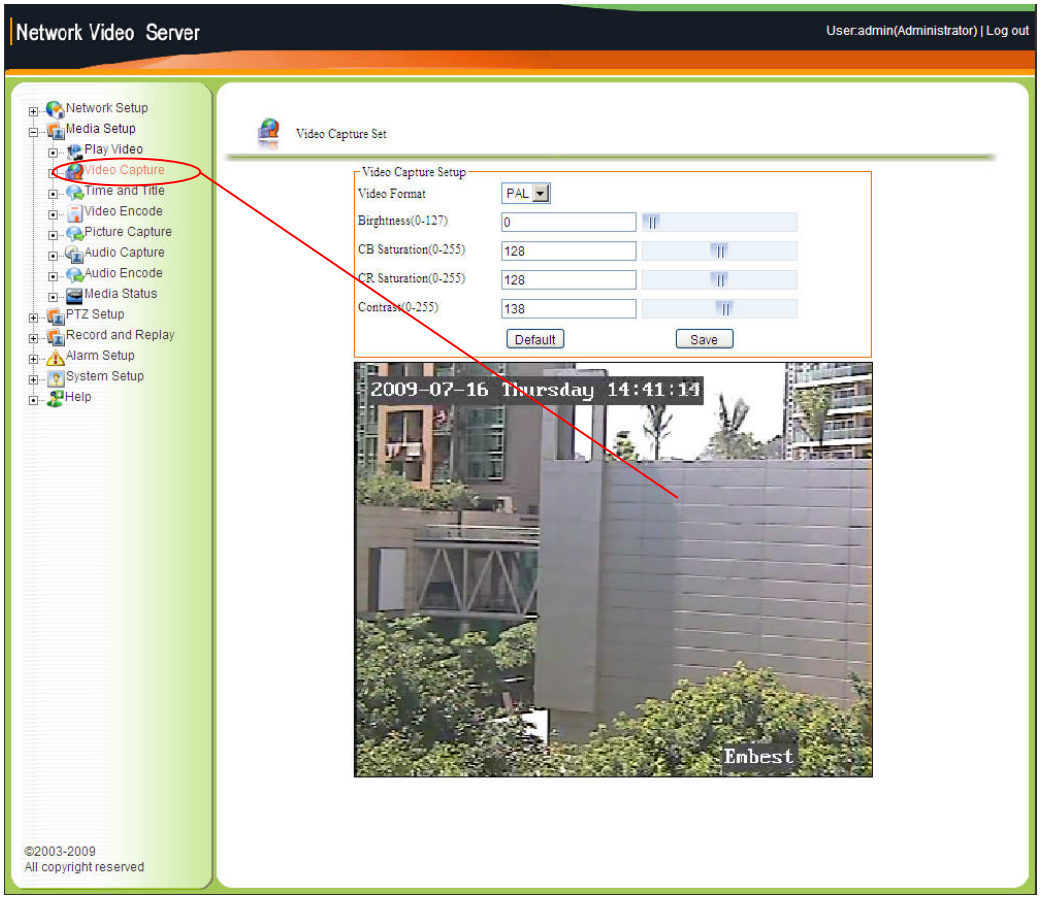
It shows you can make settings for Stream, such as changing the Media Access Port, Media Access Protocol, PTZ Control Port and Web Access Port.

Play Video



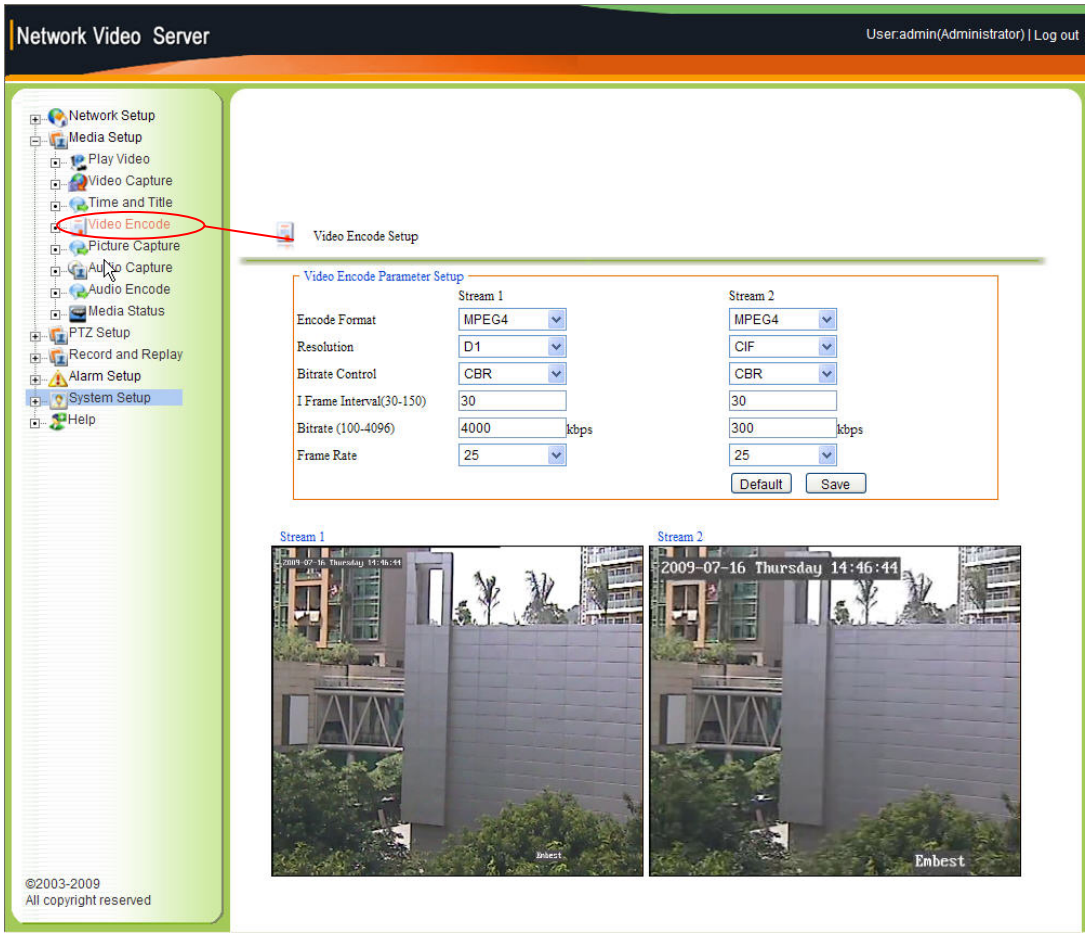
It shows monitored picture through the camera. You can find it in Play Video.

Video Capture:



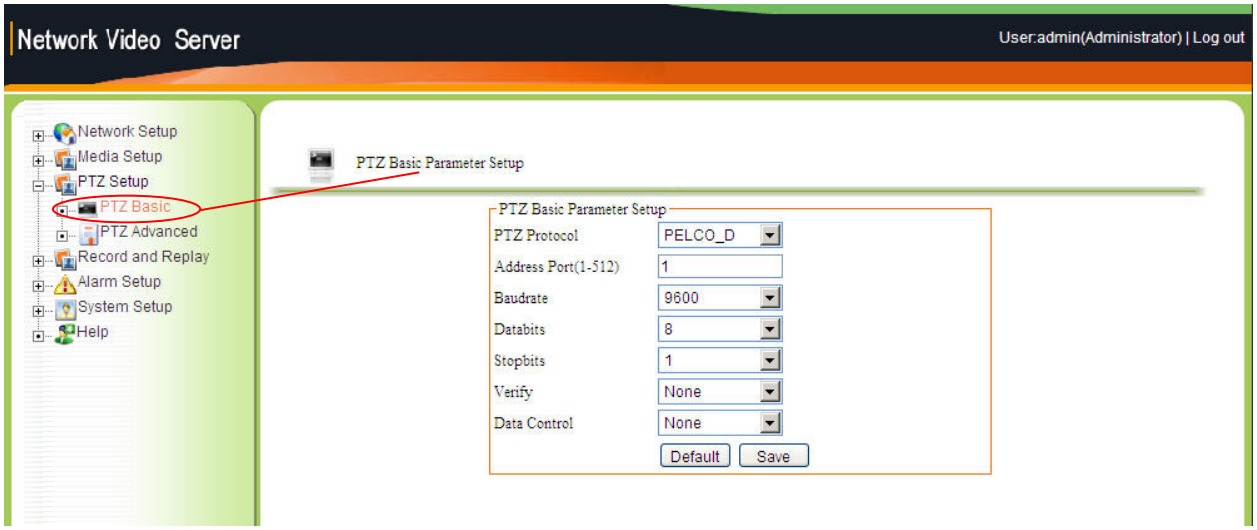
You can change the Video Format and adjust Brightness, CB Saturation, CR Saturation, and Contrast in Video Capture Set.

Video Encode Setup



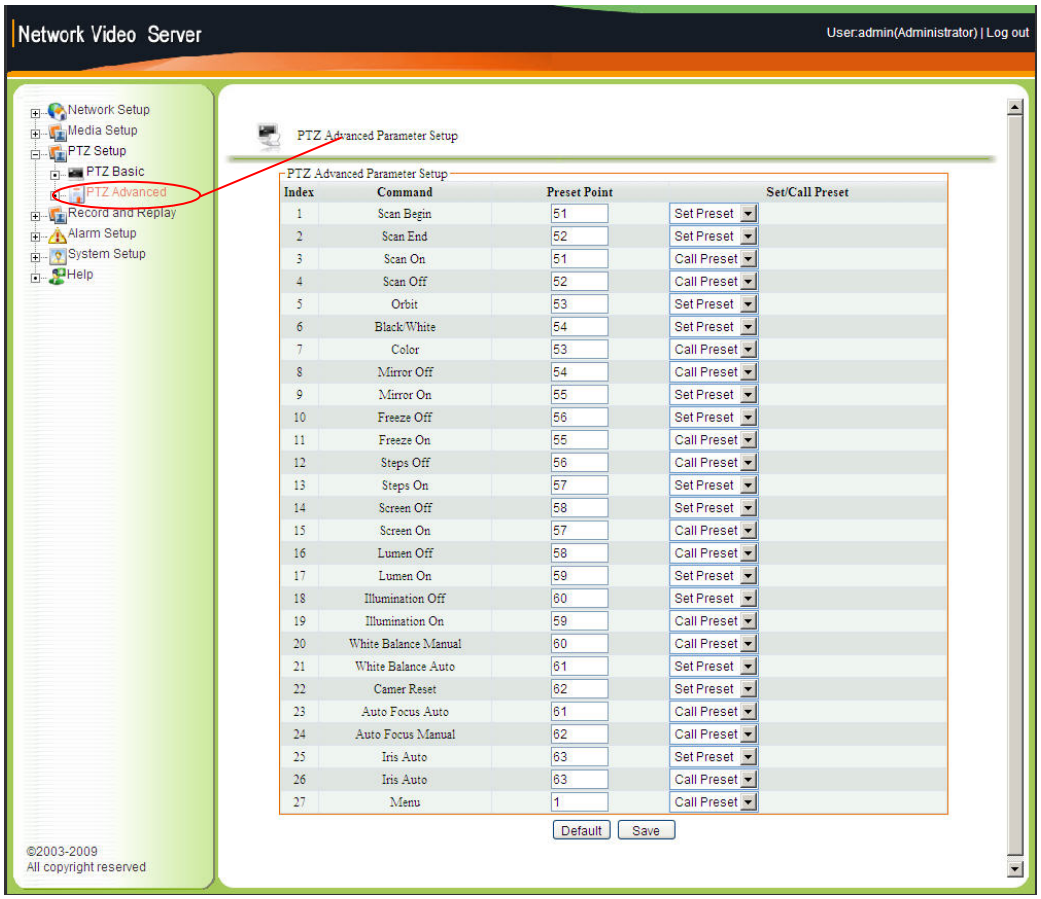
In Video Encode Setup, you can make some changes about Encode format, Resolution, Bit rate Control, I Frame Interval, Bit rate and Frame Rate to stream 1 and stream 2.

PTZ Basic Parameter Setup:



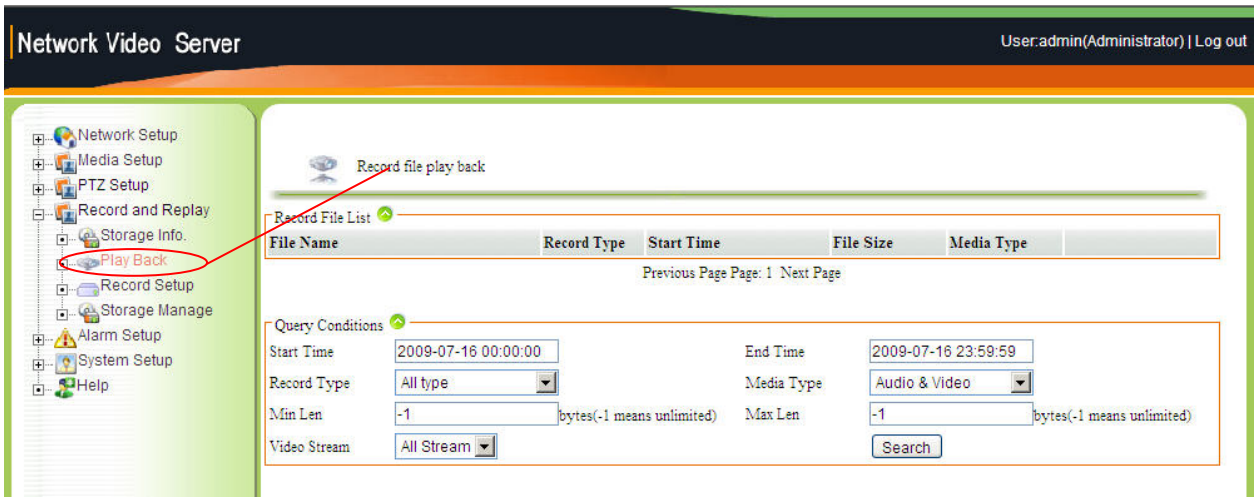
This diagram tells users what kinds of PTZ Protocol can be used. User can also make settings about the Address Port, Baud rate, Data bits, Stop bits, Verify and Data Control.

PTZ Advanced Parameter Setup



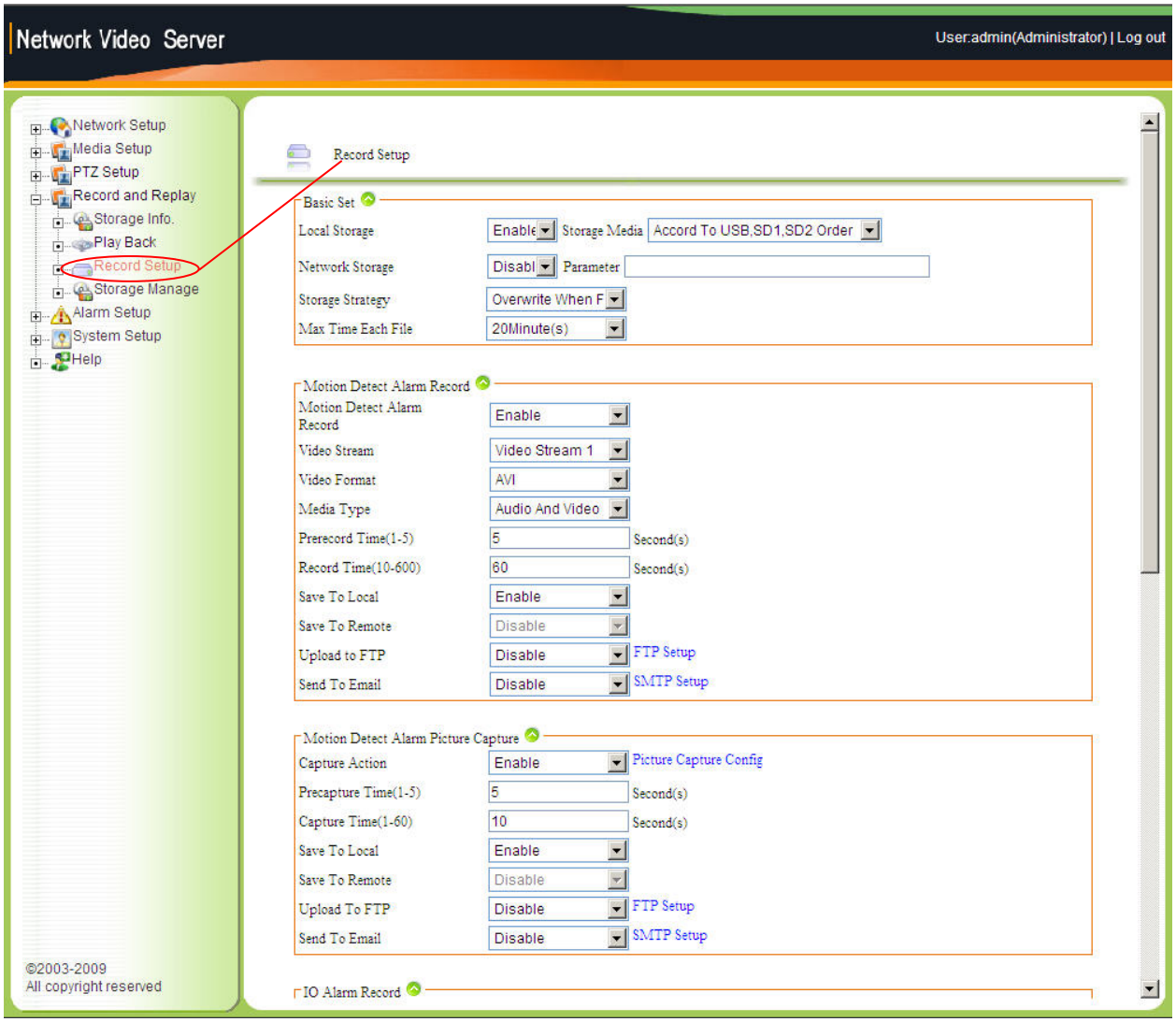
This diagram shows that users can set various PTZ Advanced Parameters to control the action of PTZ.

Record File Play Back



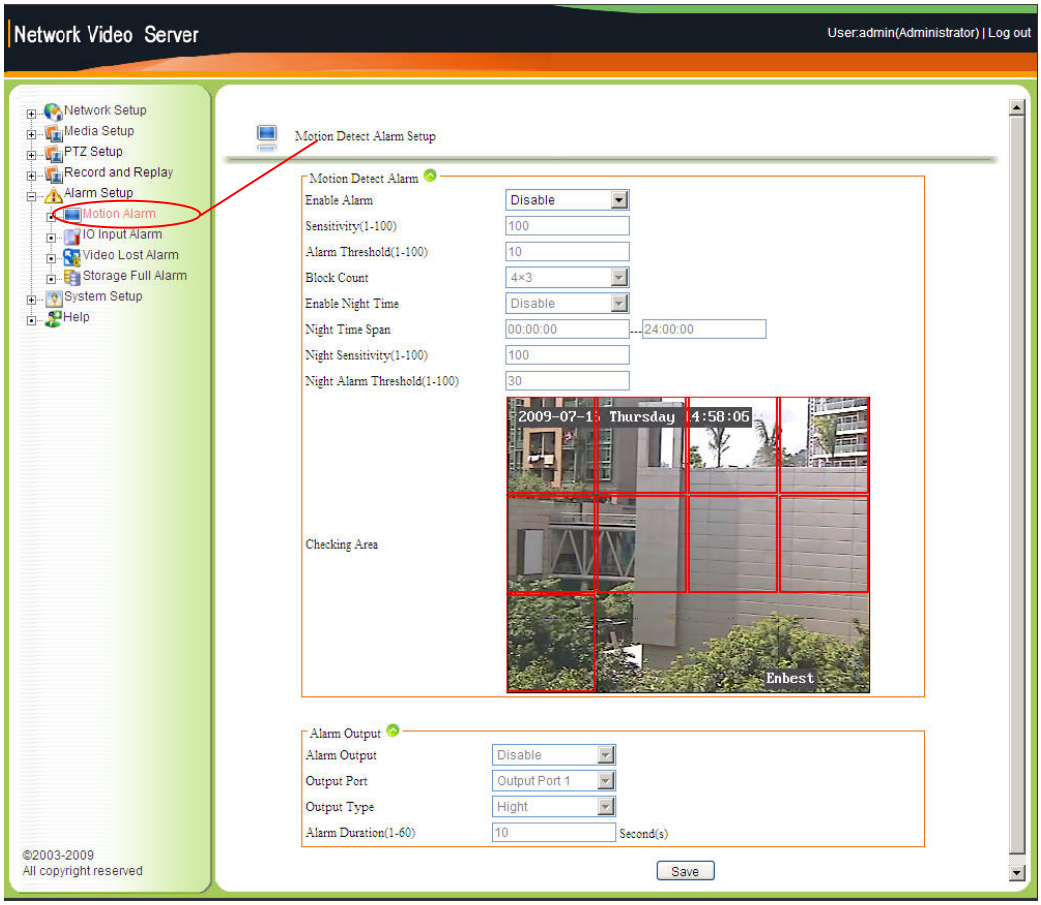
The diagram shows Record File List and how to set the Query Conditions including Start Time, End Time, Record Type, Media Type, Min Len, Max Len and Video Stream.

Record Setup



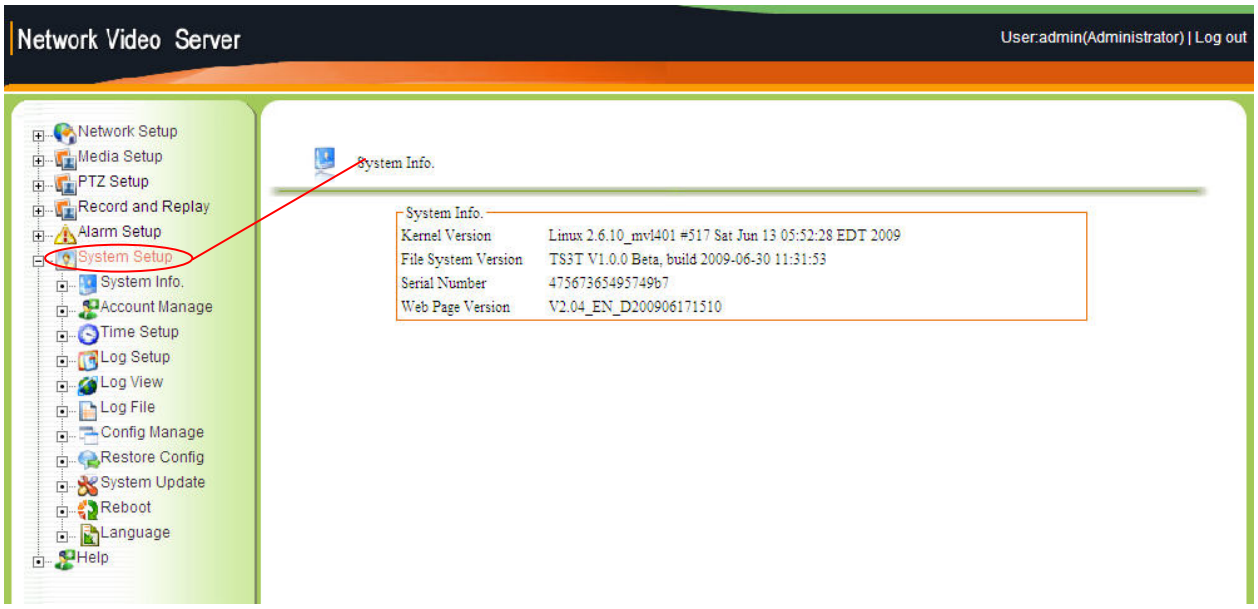
In this interface, user can have Basic Set, Motion Detect Alarm Record set, Motion Detect Alarm Picture Capture set, IO Alarm Record set, IO Alarm Picture Capture set and Schedule Record set.

Motion Detect Alarm Setup:



Above interface shows Motion Detect Alarm Setup. User can enable alarm and make various settings about motion detect, such as Motion Detect Alarm, Motion Detect Alarm Time, Alarm Output.

System Setup



From above interface user can know the system information, manage the account, set time, set the log, view the log, manage log file, manage configuration, restore default configuration, update the system, reboot system and set language.

Accessories (Optional)

(The pictures below are for consult only, please according to the real object attained.)

Analog Camera

Ordering information

Order No.	VSS35T
Item	VSS35 Network Video Server
Accessory	One DC 12V power adapter
Optional Accessories	Analog camera
Price	Please contact Embest for detailed information.

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