



DS-6104HCI Network Video Server (NVS)

User Manual

Introduction

DS-6100HCI series video server adopts an embedded Linux operation system (RTOS) and a TI Davinci processor. Firmware is burned into flash memory, making the system more robust and reliable. The DS-6100HCI compresses video and audio into H.264 for transmission over a network.

Package contents

- NVS unit
- CD containing NVS user manual, client software and client user manual
- PSU
- Power cable

Installation



Front panel

Interface status LEDs (from left to right)

1. Tx/Rx indicator lamp
2. Link indicator lamp
3. Power supply indicator lamp

Back panel

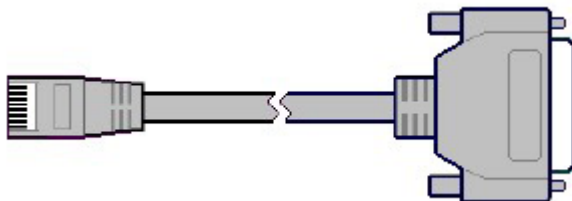


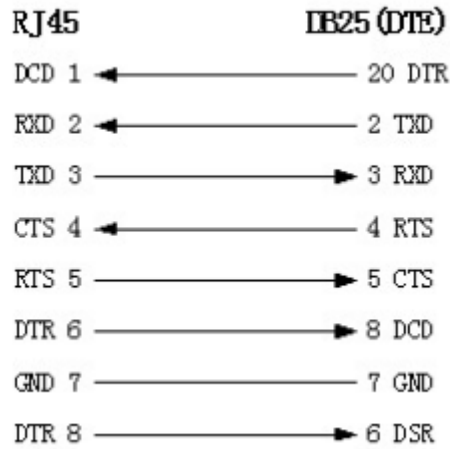
Pin definitions

RS232

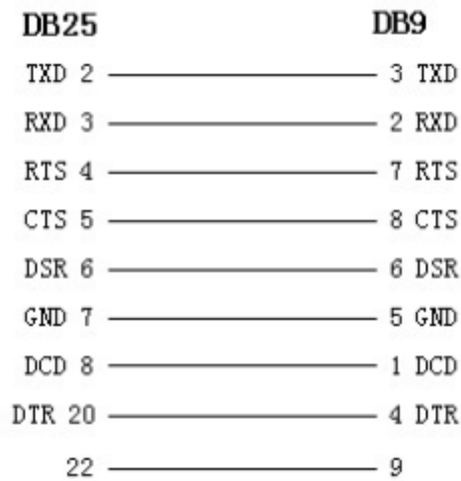
The NVS has one RS232 standard serial interface, with an RJ-45 connector. Its pin definition is as follows ('I' means input, and 'O' means output):

1. When the RS232 interface of the NVS connects with the DTE equipment, one end of the cable is the 8-pin RJ45 connector (to NVS) and the other of the cable is the DB25 female connector (to DTE). Below is the description of the internal connection between RJ45 and DB25.

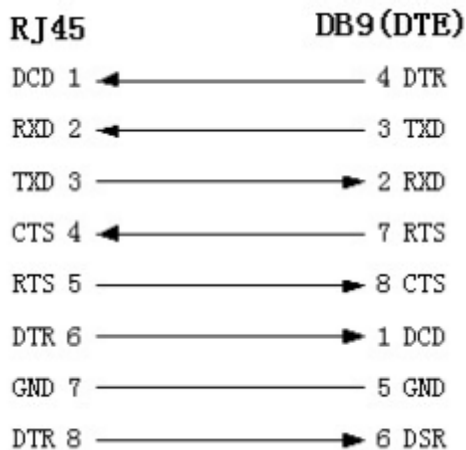




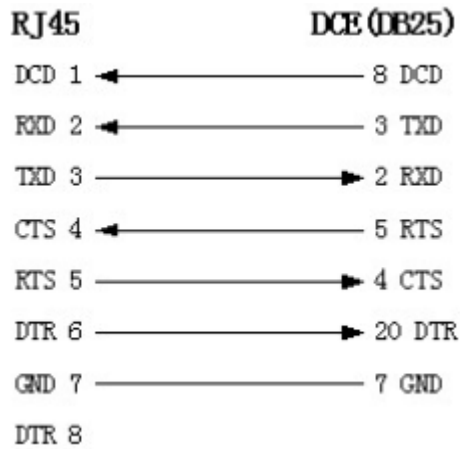
2. 25-pin to 9-pin converter's internal connection:



3. If you don't want to use 25-pin to 9-pin convertor to connect NVS and DTE through RS232 interface, you must use RJ45-DB9 cable. Its internal connection description is:

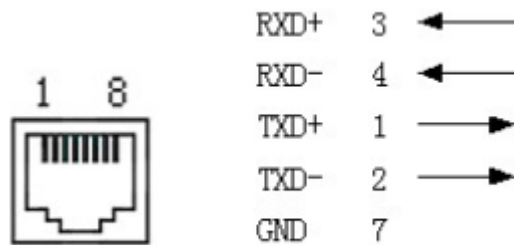


(4) When the RS232 interface of the NVS connects with the DCE (such as MODEM), one end of the cable is the 8-pin RJ45 connector and the other is the DB25 male connector. Below is the description of the internal connection between RJ45 and DB25:



RS485

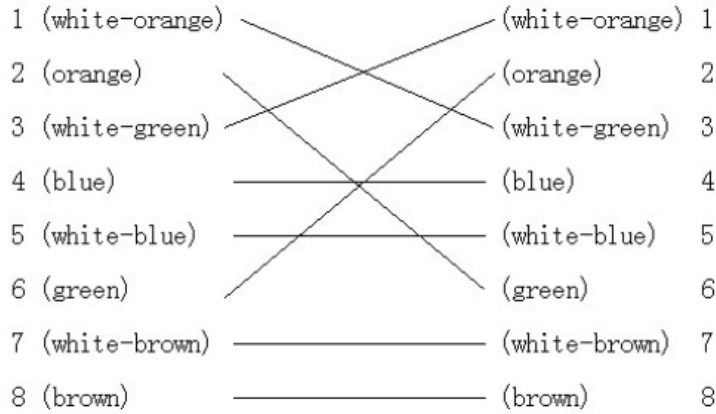
2.3.3 PIN definition of Ethernet interface



- PIN definition of the direct network cable connecting NVS and HUB:



- PIN definition of the cross network cable connecting NVS and host PC:



Video Server Setup

There are three methods of configuring the parameters of video server:

1. Through Hyper Terminal (connect NVS with the PC through RS-232 serial ports)
2. Through TELNET (connect NVS with PC through network)
3. Through client-end application software (connect NVS with PC through network)

Hyper Terminal

Connect the RS-232 serial port of PC with the RS-232 serial port of video server

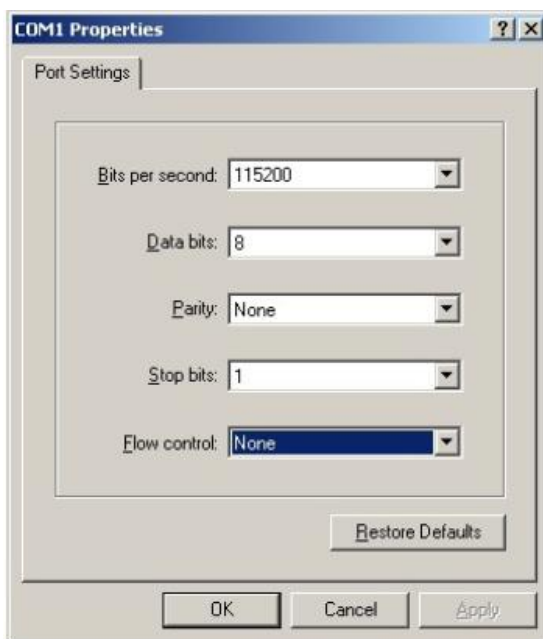
1. Enter into Hyper Terminal. Click “Start”>“Programs”>“Accessories” >“Communications”>“Hyper Terminal” in Windows system, and the dialogue box below will appear:



2. Input a name and select a icon. Click “OK”:



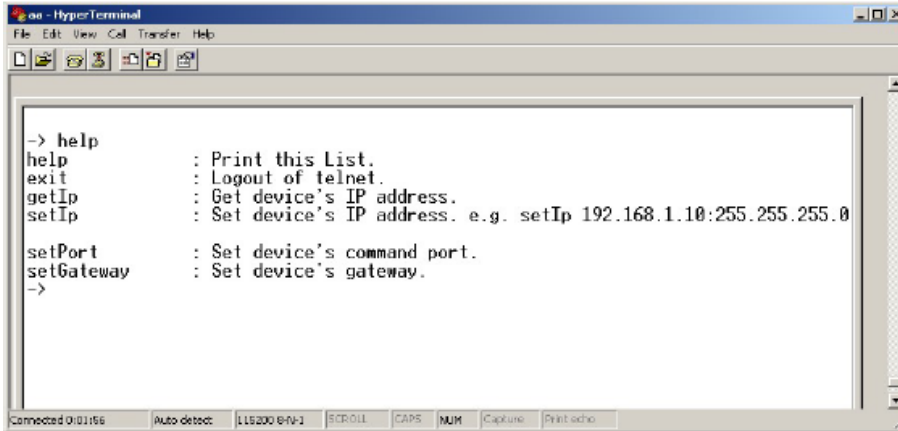
3. Select “com1”:



4. Set the serial port parameters as shown above. Save your session and exit hyper terminal.

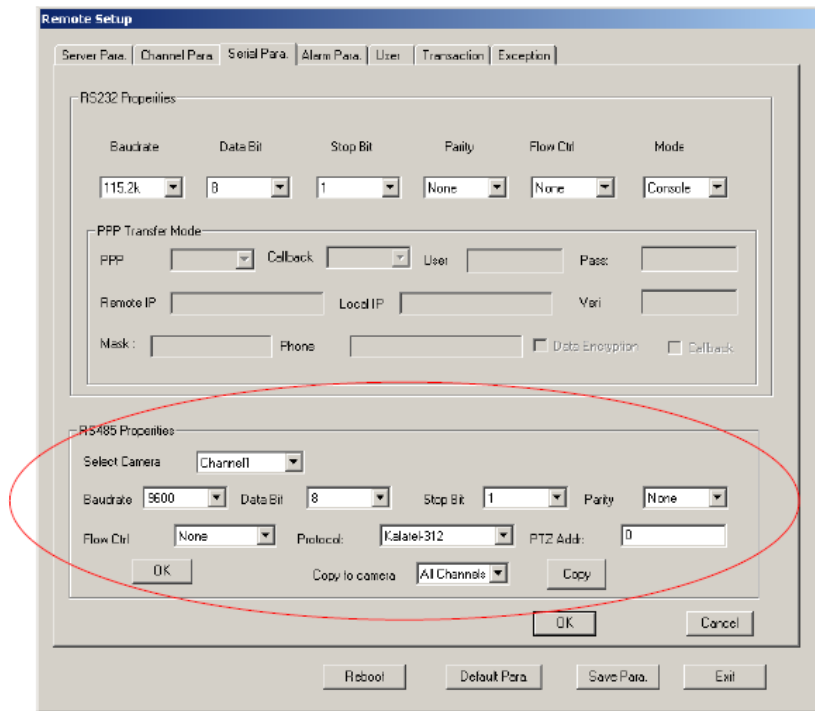
Shell commands

1. Open hyper terminal and the connection you saved.
2. Press “Enter” in Hyper Terminal, the prompt “—>” will appear, as in Fig. 3.1.7. The following commands can be entered:



PTZ control set up

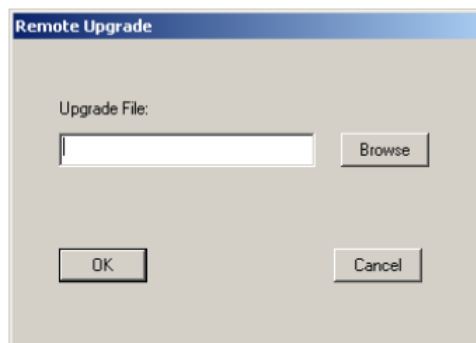
1. Connect DS-6104HCI RS-485 interface with PTZ. Please refer to RS-485 pin definition. NVS uses only Pin1 (TX+) and Pin2 (TX-) to send PTZ control command.
2. You can use the NVS remote client software to setup PTZ protocol. In client software remote setup dialog box, select "Serial Para" tab button. You can select NVS PTZ parameters in the corresponding dialog box.



Please refer to the client software user manual for more detailed information.

Upgrading Firmware

Use the client software to upgrade the firmware. In the system setup dialog click the "Upgrade" button



Click the "Browse" button and select the firmware file.

Contact Details

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