

FORWARD BEFORE USING



H.264 IP SERVER

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Forword

一、Introduction

Welcome to use our IPserver

Please read the manual carefully before you use it, which will provide you a great help.

We do our best on improving products software, hardware function and our service quality

IPS507 server uses the latest codec algorithm and powerful TI processing chip to transfer the analog AV signal to digital by H.264 compression algorithm. Using TCP/IP protocol to send low-bit-rate AV encoded data to remote PC by IP package, achieve the remote transmission, monitoring and storage of AV signal to digital. It's built-in Web server, the users can use the standard IE browser on their PC or use specialized client access to visit, watch images and control camera's lens/PTZ from the front end and achieve the omnibearing real-time surveillance. It can be widely used in building control, road monitoring, industrial monitoring, large-scale remote monitoring, remote care, online unicast and so on.

It's designed as an embedded control solution for IP network video and data surveillance. Using the faster computing speed DSP chipset and the latest H.264 codec algorithm, really achieve the low-rate stream high definition. Every frame on CIF is only 1.0KB to 1.5KB. Specially suitable for network transfer. The max transmission speed is up 25fps(PAL)/30fps(NTSC)

IPS507 is a multi-use IP camera server. Besides providing 3 channels wired AV input, 4 channels wireless 2.4G/5.8G(optional) AV input and network port, it also have 1 channel local AV output and RS485 controlling port. It has in-built Web server, stable and reliable system operation. Visit remote images by specialized client port and IE browser. Support multiple net work type, include dynamic IP and static IP/PPPOE, to realize the function of image and sound transfer on network. It also support the function of talkback, multi-linkage alarm, motion detection and other advanced function.

Please contact the dealer once any doubts on using or product function are not the same with the manual.

二、Product description

2.1 Support a variety of Windows operating system platform

- Windows XP SP2 or above
- Windows2000
- Windows2003
- Vista
- Windows 7

Computer use configuration requirements

CPU: 2.4GHz

Memory:1G

Display Card:128M

Network Card:100M

These are the use of this product the minimum configuration requirements for computers.

2.2 Features

Model	wired channels A/V inputs	4 wireless channels (2.4G/5.8G)A/V inputs	Local A/V outputs
ES-IPserver	Yes(3 wired)	Yes(optional)	Yes
ES-IPserverWD	Yes(4 wired)	NO	NO

Client can support that connect numerous devices (theoretical value), maximum support 25 screen while watching at the same time

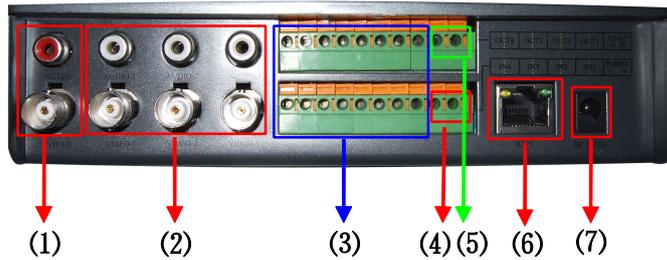
1. Three Viewing modes: Client-side, IE browsing, mobile browsing;
2. Three control way: PC, Key board, Local wireless remote control.
3. A special video player can remotely playback the video files in the USB storage devices.
4. 4-level adjustment, high-resolution (D1, HD1, CIF, QCIF)
5. Four I/O alarm (input/output) can control alarm signals normally open/ closed through Client software and IE side.
6. RS485 PTZ control
7. One channel 5V power output (can supply electric to the alarm device using with low power.)
8. One channel USB memory interface (support U disk, mobile hard disk), the maximum can support 1 T capacity.
9. One channel USB bidirectional audio interface.
10. Double encryption management (client encryption, device encryption)
11. Device encryption (4-level Permissions: Power User, Administrator, Default Admin, User).
12. The Client side comes with the search function of the local device.
13. Motion detection alarm on multi-zone
14. E-mail alarm and capture pictures

15. Dynamic DNS (Dyndns, 3322)

2.3 Specification Parameters

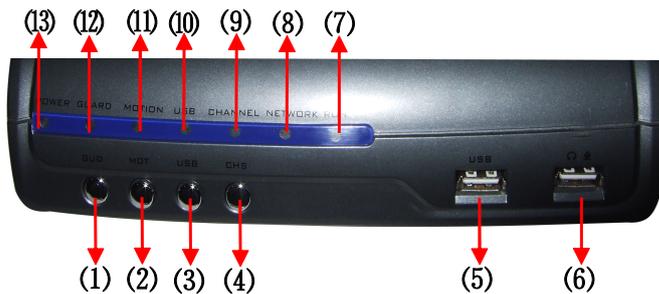
Image Compression	H.264 Video Compression
Image resolution	PAL: D1 (704x576) /HalfD1(704x288)/ CIF(352x288)/ QCIF (176x144) NTSC: D1 (704x576) /HalfD1(704x288)/ CIF(352x288)/ QCIF (176x144)
Image Transmission Rate	PAL:1-25fps,NTSC:1-30fps
Interface for Storage devices	1 USB ports (USB2.0 port for storage), max support 1 T
Talkback port	1 USB port(USB port for audio)
AV input	3 channels wired,4 channels wireless (2.4GHZ/5.8GHZ Frequency transmission)
AV output	PC:4 channels, Local:1 channel
Recording format	dat
PTZ Control	RS485
Network interface	RJ-45/10-100 Base T
Network Protocol	TCP/IP, UDP, ARP, HTTP, DHCP
Dimension	205×130×47 (mm)
Software upgrade	Automatic upgrade with the included software
Video playback	Special playback software
Security	Double encryption management(client encryption, device encryption)
Working Temperature	0 - 50℃
Power supply	DC 5V/3A
Power consumption	≤ 10W

2.4 Rear Panel



- (1) Local A/V Output
- (2) Wired A/V Input
- (3) Four I/O alarm input/output interface (input/output for a group, four inputs and four outputs)
- (4) 5V Power Output (Supply the electric to the alarm device with low power consumption.
- (5) RS485 PTZ control interface
- (6) Network Line Interface
- (7) DC5V/3V Device Power port

2.5 Keyboard Introduction



- (1)GUD: a button for system arming/disarming upon external inputs

GUD stands for “guard”, armed for arming and disarming, the system manually following the same working mechanics of the remote controller.

Notes:

Push the “GUD” or “D” on the remote controller, “GUARD” lamp always I/O protection is already turned on, after the success of a defense/disarm equipment built-in buzzer will sound twice.

I/O indicator (2): It turns on when the system is armed and turns off when it is disarmed manually.

- (2) MTD: Motion detection arm/disarm button

MTD stands for “motion guard”, this button function is the same as “B” on the remote controller, and complete the works of motion detection arm/disarm.

Notes:

The Steps as same with the ‘GUD’

- (3)USB: a button for USB plug

The button is meant for controlling USB plug. The USB indicator is light upon detection of USB devices mounted and turns off when the button is pushed down for plugging the devices out in a safe way.

The function of this button is the same as “C” on the remote controller, after the success of arm/disarm equipment built-in buzzer will sound twice.

(4)CHS: Channel switching button:

CHS stands of “channels”, used to switch the local output channel. The function of this button is the same as “A” on the remote monitoring channels, successful control of local output built-in buzzer, about 0.2 seconds.

(5)USB mobile storage interfaces:

The USB mobile storage device can automatically identify when you insert it, and USB indicator lights turn on (When the mobile devices insert, it need to be formatted on a computer and format the system need to” FAT32”)

(6)  USB bidirectional audio interface:

Earphone port for audio. Indicator is lighting when talking.

(7)RUN an indicator of normal operation

This indicator lights turn on when the system is under normal operation, went out when reset.

(8)NETWORK: an indicator of network status

This indicator lights turn on when the system network works normally.

(9)CHAMMEL an indicator of channel switching

This indicator lights switch local output once when it light once.

(10)USB an indicator lights of storage and Earphone.

This indicator lights turns on when USB mobile device connected to the devices. When this indicator lights flashes, the device opens bidirectional audio function.

(11)MOTION: an indicator of Motion Detection

It is constantly lights when the device has been opened Motion Detection.

(12)GUARD an indicator of I/O alarm

It is constantly lights when the device has been opened I/O External alarm.

(13)POWER a power indicator

It is constantly lights when the system is powered on.

2.6 Packing List

Open the package and check the items contained against the following list:

One IP Camera Server

One DC5V/3A Power Supply

One AV cable

One T568B standard network cable

One BNC/AV adapter

One CD (IPS507 Driver)

One remote controller

One Audio to USB adapter