

i-Watcher PT300 IP-Cam

i-Watcher PT300 IP-Cam network camera let you monitor your surveillance system remotely anywhere around the world. It's a mini PC that comes with a camera where you can say "NO" to invest another PC specifically for surveillance purpose, uncomplicated installation and training, and yet with unlimited expansion, all you need is just a power and network cable and it's all DIY. Having achieved the professional level for security and surveillance



specification

Camera

Sensor resolution: 640 x 480 pixel
Sensor type: Color CMOS Sensor (OV Sensor)
Minimum illumination: 3Lux
Lens: F1.8, f6.0mm , 58 degree View angle , Board Lens

Video:

Image compression: Motion-JPEG
Image frame rate: 30fps@QQVGA, 30fps@QVGA, 30fps@VGA
Compression rate selection: 3 levels; low, middle, high,
Frame rate setting: 1 to 30 FPS
Video resolution: 160x120, 176x144 , 320x240, 352x288 , 640x480
Motion detection: Yes
Auto white balance: Yes
Auto gain control: Yes
Automatic White Balance: Yes

Audio

Built-in Microphone
Format: PCM, ADPCM
Internal Microphone (mono) :

Sensitivity: S/N 96db in 44.1kHz

Sampling Rate: 16kbps

Communication

LAN port: RJ-45, 10/100M auto-sensed

Communication protocol: HTTP, TCP/IP, UDP, ARP, ICMP, DHCP, PPPoE, FTP, SMTP
DDNS, UPnP

System

CPU: ARM-7

RAM: 32M Byte

Flash ROM: 4M Byte

OS: Linux

Pan/Tilt (P/T Mechanic angle)

Pan: 300 degree (-120° ~ +120°)

Tilt: 120 degree (Down 30° ~ up 90°)

Pan/Tilt (P/T View angle , Camera Lens 58 degree)

Pan: 358 degree

Tilt: 178 degree

Software

Browser: Internet Explorer 5.0 or above

Application Software: IP-Edit application software

DVR Software: 16 Channels IP-Cam DVR Software

OS supported: Microsoft Windows 98 SE, ME, NT 4.0, 2000, XP

Features

1. System

Server Name

Location

Admin Password

2. TCP/IP

Static IP Address

IP Address

Subnet Mask
Default Gateway

Dynamic IP Address

DHCP

PPPoE

Service Name

User ID

User Password

Primary DNS Address

Secondary DNS Address

Dynamic DNS

3. Users

Add User

64 users account maximum

User Name

User Password

Delete User

4. Date/ Time Setting

Date: Year/Month/Day

Time: Hour/Minute/Second

NTP Protocol

NTP Server Address

Time Zone

5. OSD

Camera Name

Date/Time

6. Image

Compressing Rate: 3 levels, low / middle / high

Frame Rate: 1 to 30

Video Resolution: 160x120 / 176x144 / 352x288 / 320x240 / 640x480

Brightness Control: Auto

Up and Down reversal: Yes

Mirror: Yes

7. Dynamic DNS

Service

User Name

Password

Domain Name

Support www.ipcamddns.com.tw DDNS Server

Support www.ipcamserver.com.tw DDNS Server

8. Motion Detection

Motion Sensitivity and Percentage

Send Image e-mail when motion detected

Send Image e-mail when motion detected

9. Web Browser Supported:

Internet Explorer 5.0 or above

Support IE SP2

JAVA

10. Pan/Tilt

Up ,Down ,Right ,Left

Up-Right ,Up-Left, Down-Right ,Down-Left

Center

Position presetting : 6 point

Pan Auto Scan

Tilt Auto Scan

Presetting Position Scan

Touch Screen Move

11. Communication Protocol

HTTP, TCP/IP, UDP, ARP, ICMP, DHCP, PPPoE, DDNS, UPnP, FTP, SMTP

12. Wireless LAN

USB Dongle

Zydas USB Dongle

IEEE 802.11b/g

SSID (Network Name)

Wireless Channel
WEP Encryption: Disable/64 bit/ 128 bit
WEP Encryption Code

13. GPIO

GPIO - IN x 2
GPIO - OUT x 2

14. Connector Interface:

Power Jack ,
RJ45
GPIO
USB port for Wireless LAN USB Dongle
PoE / AC adapter Switch
Reset (Factory Default)

15. DVR Software

Multi-Channels IP-CAM DVR software
16 Channels
Motion-Detect Record / Schedule Record
Video and Audio Record

16. Others

Reset
Factory Reset to Default setting
Firmware upgrade

17. Power

Power DC 5V 2 A, switching type power supply
Power Over Ethernet (PoE) IEEE 802.3af
Power consumption 6.5W (1300 mA x 5 V) ,maximum

18. LED

Power LED Blue color
PoE (Power Over Ethernet) LED: Red
Link/Active LED : RJ45 Connector LED (Orange and Green)

Accessories:

Power Adapter

Straight network cable (blue) for connecting to Network Switches, ADSL Router

Installation CD

Instruction manual

Warranty card

PoE (Power Over Ethernet) Adapter (Option)

Wireless IEEE802.11bg Dongle with external connector cable (Option)

Operating environment

Operating temperature 5°C ~ 40°C

Storage temperature -25°C ~ 50°C

Humidity 5% ~ 95% non-condensing

EMI

FCC / CE / VCCI