

# FlexWATCH™ 1100 Network Camera Server

All-in-One solution for your remote  
Digital video monitoring and surveillance

**FlexWATCH™ 1100** is a stand-alone network camera server with built-in CCD camera and web server which delivers crisp real time live videos at a rate up to 30fps over the existing network such as telephone line, LAN, Cable modem, xDSL.

**FlexWATCH™ 1100** is designed to meet need for small sized or medium sized facility monitoring as well as home application. Simply connect it to existing network and assign IP address and view from anywhere and any time through standard web browser.



## Key Features

### ■ Pure WEB Based monitoring solution

Use only standard web browser to view live video stream on any O/S such as Window, Max, Linux, Unix etc.

### ■ All-in-one solution

It Has built-in CCD camera and web server. Thus, only IP address assignment is required to view live video stream anytime and anywhere.

### ■ High Quality video and Fast video stream

High quality video stream from 1/3" color Sony CCD and up to 30fps video transmission speed.

### ■ Easy to record and play back

Freely downloadable FW-Voyager software enables you to record live video stream while your are viewing and play back archived video.

### ■ AVI file conversion

FW-Voyager enables you to convert the archived video into AVI file format for video redistribution.

### ■ Remote System management

All the system configuration and upgrade can remotely be done over the TCP/IP network.

### ■ Misc.

E-mail, FTP, Password protected server access, Dynamic IP support.



## System Specification

### Hardware

- 32bit RISC CPU
- Hardware Motion JPEG engine
- Flash Memory: 2Mbytes
- SDRAM: 16Mbytes

### Network Protocols

- HTTP, TCP/IP, FTP, Telnet, ARP, RARP, PPP, PAP, CHAP, JAVA, DHCP, e-mail etc.

### Image Compression & Quality

- Realtime MJPEG
- Compression rate: max. 30fps
- Image quality: 5 levels

### CCD Camera Module

- 1/3", 380TV Line Sony CCD
- 4mm Fixed board Lens
- Sensitivity : Min. 1.0 Lux
- Auto Iris : Electric Shutter

### Video Resolution

- NTSC: 704x480, 704x240, 352x240, 176x112
- PAL: 704x576, 704x288, 352x288, 176x144

### Video Format

- NTSC/PAL Video format support

### Performance

- Max Up to 30 fps(NTSC)/25 fps(PAL)

### Management

- Configurable by serial or LAN port
- Remote Flash memory update via Telnet

### LAN interface

- 10/100BaseT ethernet auto sensing

### Serial interface

- RS-232 for console or modem (PSTN & GSM)

### Security Function

- Password protected server access
- IP Filtering
- Image Encryption

### Service

- E-mailing by event
- FTP function by time schedule & event
- Auto dial-out by time schedule & event
- Dial-in function via PSTN modem
- Dynamic IP support through AOIP

### Alarm I/O interface

- 2 dry contact digital inputs (NO/NC)
- 1 Relay output

### Easy Access

- Internet Explorer 4.0 or higher
- Netscape 4.0 or higher
- No plug-in S/W for the monitoring

### Dimension

- 5.3"(L) x 3.56"(W) x 1.57"(H)
- 136.5mm(L) x 90.5mm(W) x 40mm (H)
- Weight: 0.39lbs (185g) w/o PWR supply

### PWR Supply

- DC 5 Volt, 1.5Am, SMPS

### Operating temp

- 40° ~ 125°F (5° ~ 50°C)

### Approval

- FCC : Class A
- CE : Class A

### Accessories

- Console cable for system set up
- Test LAN cable
- RJ-45 for Alarm sensor interface
- Tripod stands for camera fix.
- CD for User guide, Installation wizard & Technical note Quick Installation guide



FW- 1100 Rear View

### Miscellaneous

- Java script (ver 1.1) mode
- Sensor notification service
- Pure HTTP based network camera
- Voice kit(FW-V10) support
- Push streaming

## Application

Main application of this device is to monitor remote facility over the TCP/IP network where faster video frame rate or single channel of video monitoring is required

- Home security
- Small store monitoring
- Unmanned facility monitoring
- Building Automation
- Access control
- Personal video creation with AVI file format.

## Network Diagram

