

H.264/MJPEG Network Camera

FW1173-DS-B is a stand-alone IP camera which has web server and real time operation system.

It delivers real time live video at a rate up to 30fps over the TCP/IP network. FW1173-DS-B supports H.264 Video Compression standard, so that less network bandwidth and storage space required for video. Motion JPEG is also supported for maximum flexibility and integration possibilities.

FW1173-DS-B delivers High Video quality at maximum 30 fps in different resolution. Traditionally, the analog video signal from the analog camera causes a “tearing” effect due to the fact even and odd fields are slightly displaced with time interval. Contrary to the traditional analog cameras, FW1173-DS-B adopts progressive mode processing to remove interlace defect of CCD Camera module, FW1173-DS-B makes it possible to monitor in vivid and critical image, especially for the fast moving areas.

Mechanical IR Cut Filter, IR LED Illumination, and WDR feature to view object under low light condition can be provided as an option of the camera performance. Built-in motion detection, pre/post alarm buffer, RS-232/RS-485 interface for serial input device, X10 device and advanced alarm notification interface for e-mail, FTP and third party program are some of key features.

POE (Power over Ethernet) functions are also supported to optimize flexible installation and scalability. It is widely used as a surveillance system for unmanned facilities, retail stores, accommodations, gas stations, etc. Having an advantage of flexibility of network video devices and digital interfacing to other systems, and it is also interoperated with various applications like as POS, Access Control, and Building Automation.



Shipped without lens

Applications

FW1173-DS-B is high performance camera to meet professional video application with supreme video quality.

- Franchise / Branch office Monitoring
- SOHO / Home Security
- Unmanned Facility Remote Surveillance
- Serial Device / POS integrated Application

Key Features

H.264 /MJPEG, Dual Stream IP Camera

H.264 / MJPEG encoding & transmission
2-way audio communication

Auto Day / Night function

Sony Super HAD CCD
Color, Min. 0.15 Lux, B&W, Min. 0.002lux(DSS), F1.2

Dual Streaming & High Performance

Simultaneous 'dual streaming mode' for both MJPEG & H.264 in different resolutions
Max. 30/25fps (NTSC/PAL) live view @D1
Low latency transmission

The best possible Video Quality

Vivid live video monitoring
No tearing effect on a moving area

Progressive Frame Mode

Provide D1 resolution image without distortion

SD & USB Interfaces

Real-time recording & playback using browser
Wireless connectivity through USB interface

Optional Features

1. **POE** (Power Over Ethernet -POE Module sold separately or Unit with built-in POE module can be produced by the request of customer.)
2. **Mechanical IR cut Filter**
3. **IR LED Illumination**
4. **WDR** (Wide Dynamic Range)
5. **Wireless LAN connection** : USB Wireless LAN (IEEE 802.11b/g) dongle

Technical Specifications

FlexWATCH[®]

1173-DS-B Network Camera

Video Encoding	MJPEG / H.264 (simultaneous dual stream)	System Integration Features	[Protocol] HTTP, RTP/RTSP, Multicast, TCP/IP, ARP, ICMP, Telnet, Ftp, PPPoE, SMTP, DHCP, NTP, uPNP, and etc. [SDK] Open HTTP API / ActiveX for live cast with audio & PTZ [Service] Image upload / notification service / special service for POS integration
Video channels	Analog 1 Output (loop through).	Installation and maintenance	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp
Compression	H.264 & MJPEG : 6 levels (low compression / highest / high / normal / low / lowest)	Misc.	OSD (On-Screen Display) Transmit serial input data with video Support NTP server Quick Time & VLC media player compatible
Resolution	D1 - 720x480 (NTSC) / 720x576 (PAL) 4CIF - 704x480 (NTSC) / 704x576 (PAL) CIF - 352x240 (NTSC) / 352x288 (PAL) QCIF - 160x112 (NTSC) / 160x144 (PAL)	System hardware	32bit RISC CPU / Embedded Linux / 128MByte SDRAM / 128MByte Flash
Live Casting	Streaming 1 video channels with full duplex live audio Up to 30/25 fps@ D1 when simplex	Power	Power Supply - SMPS 12V (800mA) [AC100-240V, 50/60Hz] Power Consumption - DC12Volt, 500mA
Audio Encoding	8 bit PCM (G.711-u-law), Sampling rates 8KHz, Mono Audio	Approvals	MIC,FCC, CE, RoHS
Audio channels	1ch audio-in & 1ch audio-out	Dimension / Weight	70 (W) x 116 (D) x 52 (H) (in mm) 0.305Kg without Power Supply
PTZ support	Built-in PTZ device protocol with more than 30 different PTZ protocols from Pelco, Vicon, Kalatel, Sony, Panasonic, Canon, Honeywell, etc	External Interface	1 composite output (75 ohm/Hi-Z) 10/100-Base-T Ethernet (auto-sensing) 1 photo-coupled or 1 digital inputs (NC/NO selectable), 1 relay outputs 1 audio input / 1 audio output 2 serial ports (COM: RS-232, AUX: RS-485) 1 MicroSD memory interface 1 USB memory interface
UART support	Console, By-pass command to control UART device X10 device command to control device over power line, Modem Support (ISDN, PSTN and GSM)	Working Environment	Temperature : 32-122 F (0-50 °C) Humidity : 20-80% RH
Bandwidth Management	Frame rate control / Bandwidth control / CBR / VBR	Image sensor	1/3"Sony 410K SUPER HAD CCD Resolution: 560 TV Lines for color / 700 TV Lines for B/W S/N ratio: 52dB or more(AGC OFF, Weight ON) Electronic shutter speed: 1/60 ~ 1/120,000 sec (NTSC) 1/50 ~ 1/120,000 sec (PAL) Sens-up : AUTO/FIXED/OFF(selectable limit x2 ~ x256) White Balance: ATW/AWC/Manual/ Outdoor(1800K, 10,500K)/Indoor(4500K ~8500K)
Alarm Management (for 1 analog channels)	[Trigger Condition] Video loss / Video recovered / Motion detection (144 area) / 1ch alarm inputs / Boot finished / Serial input / Schedule [Alarm Service] Image holding service (Max 5.6MByte pre-post alarm buffer) Image upload service through E-mail / FTP (support pre & post) Notification service through TCP / UDP / HTTP / 1 alarm outputs	Lens	Shipped without lens CS mount
Security	Channel based user password protection for live-cast, PTZ, alarm output and audio	Image Setting	BACKLIGHT(OFF/LOW/MIDDLE/HIGH) AGC(OFF/LOW/MIDDLE/HIGH) LENSE(MANUAL/DC) SHUTTER(ESC/MANUAL/Flicker Less) WHITE BALANCE(ATW/AWC/MANUAL) DNR(Dynamic Noise Reduction)
Dynamic IP Support	Dynamic IP service using www.ipcctvdns.com	Minimum illumination	Color: 0.15 Lux (F1.2) B*W:0.002 Lux (Sens-up: x256)
Software (default Web interface)	Live-cast, PTZ control, search through Web browser (Minimum PC requirement - XP, Vista / IE 6.x or later)	Power Over Ethernet	IEEE 802.3af (optional module) Internal (built-in board) / External (FW-PoE) Type
Software (FW-Manager 3.xx)	Supports 25, 36, 64, 128, 256ch (9ch & 16ch freeware available) Full-featured PC NVR with matrix functionality (Minimum PC requirement - XP / Dual Core 2.2GHz or above / 2GByte RAM or above / 512MByte video memory or above)		

* All specifications are subject to change without prior notice.

Accessory



POE module

Sold separately



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