

H.264/MJPEG Vandal Dome Network

FW1175-DS-B is a Vandal and Weather proof Fixed Dome IP camera with IP66 standard to provide maximum protection in tough environment. FW1175-DS-B supports simultaneous H.264 and MJPEG Video Compression, so that less network bandwidth and storage space required.

FW1175-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, FW1175-DS-B adopts progressive mode processing to remove interlace defect of CCD Camera module, FW1175-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.



Front View

We are providing several types of brackets (optional).

IndoorCeiling OutdoorCeiling Outdoor Wall-mount



** Color and shape may change without prior notice.

Key Features

Vandal proof / Weather proof

IP66-rated
1000 kg (2200lbs) impact-resistant casing
Polycarbonate dome glass

H.264 /MJPEG, 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. 0.001lux(DSS), F1.2

The best Video Quality

Vivid live video monitoring
No tearing effect on a moving area

Dual Streaming & High Performance

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

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)

Technical Specifications

FlexWATCH[®]

1175-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 Channel (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) / Time-stamp on video 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 (1A) [AC100-240V, 50/60Hz] Power Consumption - DC12Volt, 600mA |
| Audio Encoding | 8 bit PCM (G.711-u-low), Sampling rates 8KHz, Mono Audio | Approvals | MIC,FCC, CE, RoHS |
| Audio channels | 1ch audio-in & 1ch audio-out | Dimension / Weight | 145pi x 120 (H) (in mm) About 0.885Kg (1.94996 lbs) 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) |
| 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 CCD(ICX638,ICX639) 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 | Auto IRIS & Vari-focal 2.8-10.5 mm |
| 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: 0.001 Lux (F1.2) (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) Internal (built-in board) / External (FW-PoE) Type |
| Software (FW-Manager 3.xx) | Supports 16, 25, 36, 64, 128, 256ch (9ch & 16ch freeware available) Full-featured PC NVR with matrix functionality (Minimum PC requirement - XP / Pentium IV 1.6GHz or above / 256MByte RAM or above / 64MByte video memory or above) | | |

Accessory

* All specifications are subject to change without prior notice.



External POE module

Sold separately



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