

H.264/MJPEG Vandal Dome 1.3M Network Camera

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

FW1175-MS also delivers High quality Video at 30 fps@1280x1024 in progressive mode. 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 conventional analog cameras, FW1175-MS has progressive scan MOS, and makes it possible to monitor vivid and crystal clear image.

FW1175-MS is supported by various well known CMS application partners. It can be monitored, recorded, and played back by CMS application of FlexWATCH as well as various famous ones. More CMS partners is added now. (For more information about the partners, refer to the web site.)

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.

Key Features

Vandal proof / Weather proof

IP66-rated
 1000 kg impact-resistant casing
 Polycarbonate dome glass

H.264 /MJPEG, Dual Stream IP Camera

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

Auto Day / Night function

1/3” Panasonic Progressive Scan MOS
 Color : 0.5 Lux (F1.2)
 B*W: 0.02 Lux (F1.2)

Dual Streaming & High Performance

Simultaneous ‘dual streaming mode’ for both MJPEG & H.264 in different resolutions
 Max. 30fps live view @ 1280x1024(1.3M)

SD & USB Interfaces

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

Optional Features

1. **POE** (Unit with built-in POE module)
2. **IR LED Illumination**
3. **Wireless LAN connection** : USB Wireless LAN (IEEE 802.11b/g) dongle

Supports ONVIF & PSIA Standards

FlexWATCH[®] network cameras support both ONVIF and PSIA video standards.



We are providing several types of brackets (optional).



** Color and shape may change without prior notice.

Technical Specifications



FW1175-MS

Video Encoding Mode	H.264/MJPEG(simultaneous dual stream) H.264/H.264 (true H.264 dual streaming) Simultaneous streaming with independent control	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 signal	N/A	Installation & maintenance	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp.
Resolution	1.3M - 1280x1024 HD - 1280x720 VGA - 640x352 CIF - 320x176 QCIF - 160x96	Misc.	OSD (On-Screen Display) Transmit serial input data with video Quick Time & VLC media player compatible
Live Casting	Streaming video channels with full duplex live audio Up to max 30fps@ 1.3M when simplex	System hardware	32bit RISC CPU / Embedded Linux / 128MByte SDRAM / 128MByte Flash
Audio Encoding	8 bit PCM (G.711-u-low), Sampling rates 8KHz, Mono Audio	Power	Power Supply - SMPS 12V (1A) [AC100~240V, 50/60Hz, 300mA] Power Consumption - DC12Volt, 600mA
Audio channels	1ch audio-in & 1ch audio-out	Approvals	IP66, KCC, FCC(Class A), CE(Class A), RoHS
PTZ support	N/A	Dimension / Weight	148 Ø x 121 (H) (in mm) 0.940Kg without Power Supply 1.0 kg impact-resistant casing
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)	Internal 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 Factory Default Button
Bandwidth Management	Frame rate control / Bandwidth control / CBR / VBR	Working Environment	Temperature : 32 ^o -122 ^o F (0 ^o -50 ^o C) Humidity : 20-80% RH
Alarm Management	[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	CMOS Image sensor	1/3" progressive scan MOS Active pixels 1280H x 1024V, 1.31M Effective pixels 1376H x 1070V, 1.47M Pixel size: 3.75 (H) µm x 3.75 (V) µm Color filter Bayer arrangement of primary colors: R, G, B Bit number of internal ADC: 12 bits Parallel output: 54 MHz, 12 bits Output frame rate: 30 fps
Security	Channel based user password protection for live-cast, PTZ, alarm output and audio	Lens	Auto IRIS & Vari-focal for Megapixel 3.6 - 16.0 mm F1.2
Dynamic IP Support	Dynamic IP service using www.ipcctvdns.com	Image Setting	Day & Night (ON/OFF) AGC, AWB Lens (MANUAL/DC) Shutter (MANUAL/AUTO) Vertical/Horizontal Flip Frequency Control (50/60) Brightness/Contrast/Sharpness Control
Software (default Web interface)	Live-cast, PTZ control, search through Web browser Minimum PC requirement - XP Pro / IE 6.x or later) - Pentium4, 2Ghz, 2G(RAM) - Video Card(256MB RAM, 1024x768)	Minimum illumination	Color: 0.5 Lux (F1.2) B*W: 0.02 Lux (F1.2)
Management Software	Supports 16, 32, 64, 128ch Management Software Full-featured PC NVR with matrix functionality	Optional External Device	Power Over Ethernet: IEEE 802.3af Internal (built-in board) / External (FW-PoE) Type

* All specifications are subject to change without prior notice.

