

## H.264/MJPEG Fixed Dome 2M Network Camera

**FW1176-FS** is a stand-alone Indoor IP Dome Camera which has web server and real time operation system. As FW1176-FS supports simultaneous H.264 and MJPEG Video Compression, less network bandwidth and storage space required.

FW1176-FS also delivers high quality video at 30 fps@1920x1080 in progressive mode. FW1176-MS has progressive scan CMOS produce more clear image under the low light condition than ordinary CMOS, and makes it possible to monitor vivid and crystal clear image.

FW1176-FS 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

#### H.264 /MJPEG, Dual Stream IP Camera

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

#### Auto Day / Night function

1/2.8" Sony Progressive Scan CMOS  
 Color, Min. 0.3 Lux, F1.2  
 B&W, Min. 0.002lux, F1.2

#### Dual Streaming & High Performance

Simultaneous 'dual streaming mode' for both MJPEG & H.264 in different resolutions  
 Max. 30fps live view @ 1920x1080(2M)

#### 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)
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

#### Supports ONVIF & PSIA Standards

FlexWATCH<sup>®</sup> 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

<b>Video Encoding Mode</b>	H.264/MJPEG(simultaneous dual stream) H.264/H.264 (true H.264 dual streaming) Simultaneous streaming with independent control	<b>System Integration Features</b>	[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
<b>Video signal</b>	N/A	<b>Installation &amp; maintenance</b>	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp.
<b>Resolution</b>	2M - 1920x1080 HD - 1280x720 VGA - 640x352 CIF - 320x176 QCIF - 160x96	<b>Misc.</b>	OSD (On-Screen Display) Transmit serial input data with video Quick Time & VLC media player compatible
<b>Live Casting</b>	Streaming video channels with full duplex live audio Up to max 30fps@ 2M when simplex	<b>System hardware</b>	32bit RISC CPU / Embedded Linux / 128MByte SDRAM / 128MByte Flash
<b>Audio Encoding</b>	8 bit PCM (G.711-u-law), Sampling rates 8KHz, Mono Audio	<b>Power</b>	Power Supply - SMPS 12V (1A) [AC100~240V, 50/60Hz, 300mA] Power Consumption - DC12Volt, 600mA
<b>Audio channels</b>	1ch audio-in & 1ch audio-out	<b>Approvals</b>	KCC, FCC(Class A), CE(Class A), RoHS
<b>PTZ support</b>	N/A	<b>Dimension / Weight</b>	148 Ø x 121 (H) (in mm) 0.560Kg without Power Supply
<b>UART support</b>	Console, By-pass command to control UART device X10 device command to control device over power line, Modem Support (ISDN, PSTN and GSM)	<b>Internal Interface</b>	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
<b>Bandwidth Management</b>	Frame rate control / Bandwidth control / CBR / VBR	<b>Working Environment</b>	Temperature : 32 <sup>o</sup> ~122 <sup>o</sup> F (0 <sup>o</sup> ~50 <sup>o</sup> C) Humidity : 20~80% RH
<b>Alarm Management</b>	[ 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	<b>CMOS Image sensor</b>	1/2.8" progressive scan CMOS Active pixels 2080H x 1553V, 3.23M Effective pixels 2096H x 1561V, 3.27M Pixel size : 2.5 (H) µm x 2.5 (V) µm Color filter Bayer arrangement of primary colors: R, G, B Bit number of internal ADC: 10/12 bits Parallel output: 37.125 MHz, 10/12 bits Maximum frame rate in all-pixel scan mode: 60 fps
<b>Security</b>	Channel based user password protection for live-cast, PTZ, alarm output and audio	<b>Lens</b>	Auto IRIS & Vari-focal for 2Megapixel 2.8 - 10.0 mm F1.2
<b>Dynamic IP Support</b>	Dynamic IP service using <a href="http://www.ipcctvdns.com">www.ipcctvdns.com</a>	<b>Image Setting</b>	Day & Night (AUTO/COLOR/BW) AGC, AWB, Auto Exposure Lens (MANUAL/DC) Shutter (AUTO/MANUAL) Brightness/Contrast/Sharpness Control
<b>Software (default Web interface)</b>	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)	<b>Minimum illumination</b>	Color: 2 Lux (F1.2) B*W: 0.01 Lux (F1.2)
<b>Management Software</b>	Supports 16, 32, 64, 128ch Management Software Full-featured PC NVR with matrix functionality	<b>Optional External Device</b>	Power Over Ethernet: IEEE 802.3af Internal (built-in board ) / External (FW-PoE ) Type

## Accessory (sold separately)

\* All specifications are subject to change without prior notice.



Model : FW-PoE

