FlexWATCH®
(주)세연테크 Seyeon Tech Co., Ltd.

H.264/MJPEG Mini Dome 1.3M IP Camera

FW1174-MC is a cost-effective stand-alone mini Dome IP camera which has web server and real time operation system. It delivers real time live video at a rate up to 30fps@1280x1024 over the TCP/IP network. FW1174-MC 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.

FW1174-MC also delivers High quality Video at 30fps@1.3M 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, FW1174-MC has progressive scan MOS, and makes it possible to monitor vivid and crystal clear image.

FW1174-MC is supported by various well known CMS application partners. It is able to monitor, recode, and playback by FlexWATCH CMS application as well as various famous ones. More CMS partners are added now. (For more information about the partners, refer to the web site.)

FW1174-MC 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.

Applications that needs two way audio, DI/DO, USB interface including SD memory slot may utilize **FW1174-MS** which has same external appearance.

Size : 98.5 Ø x 70 (H) (in mm)

Dome 80 Ø

Key Features

H.264 /MJPEG, Dual Stream IP Camera
H.264 / MJPEG Dual encoding & transmission
1/3" Panasonic Progressive Scan MOS

Dual Streaming & High Performance
Simultaneous 'dual streaming mode' for both MJPEG & H.264 in different resolutions
Max. 30 live view @1280x1024(1.3M)
Low latency transmission

The best possible Video Quality
Vivid live video monitoring
No tearing effect on a moving area

Simple and Easy Recording and Playback
Micro SD-Memory slot can be provided optionally.
Remote Playback for the recorded stream in SD memory

Optional Features
Built-in POE or External PoE Module(FW-POE)

Supports ONVIF & PSIA Standards
support both ONVIF and PSIA video standards.

Technical Specifications

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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 for dual channel	**System hardware**	32bit Embedded CPU / Embedded Linux / 128MByte SDRAM / 128MByte NAND Flash
Audio Encoding	Optional	**Power**	SMPS 12V (1.0 A) [AC100~240V, 50/60Hz, 300mA] Max. Power Consumption – DC12V, 300mA
Audio channels	Optional	**Approvals**	KCC, FCC(Class B), CE(Class B), RoHS
PTZ support	N/A	**Dimension / Weight**	100Ø x 70(H) (in mm) About 190g without power supply.
UART support	Console mode By-pass command to control UART device Serial Input/output mode	**External Interface**	10/100-Base-T Ethernet (auto-sensing) Micro SD Slot PoE(optional) Factory Default Button
Bandwidth Management	Frame rate control / Bandwidth control / CBR / VBR	**Working Environment**	Temperature : 32°~122^OF (0°~50^OC) Humidity : 20~80% RH
Alarm Management	[Trigger Condition] Motion detection (144 area) / 1ch alarm inputs [Alarm Service] Image upload service through E-mail 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 × 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**	3.7mm F2.0 fixed megapixel lens
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**	1 Lux (F2.0)
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 For other interfaces like USB, DI/DO etc please use FW1174-VO

* All specifications are subject to change without prior notice.

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