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

H.264/MJPEG Mini Dome VGA IP Camera

FW1174-VC 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@VGA over the TCP/IP network. FW1174-VC 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-VC also delivers High quality Video at 30fps@VGA 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-VC has progressive scan CMOS, and makes it possible to monitor vivid and crystal clear image.

FW1174-VC 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-VC 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-VO** 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
VGA CMOS Camera Module

Dual Streaming & High Performance
Simultaneous 'dual streaming mode' for both MJPEG & H.264 in different resolutions
Max. 30 live view @VGA
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.

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Category	Specification	Category	Specification
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	VGA - 640x480 CIF - 320x240 QCIF - 160x120	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@ VGA 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	1/4" optical format CMOS Sensitivity : 1500 mV/lux.sec MAX Active pixel resolution: 652x488 [Detail] S/N ratio: 46dB White Balance: AWB
Security	Channel based user password protection for live-cast, PTZ, alarm output and audio	Lens	Focal length : 3.6mm, Back focal length: 5.2mm, Aperture : F1.8, View angle : 95', 68' (Diagonal)
Dynamic IP Support	Dynamic IP service using www.ipcctvdns.com	Image Setting	Backlight (OFF/LOW/MIDDLE/HIGH) AGC (OFF/LOW/MIDDLE/HIGH) Lens (MANUAL/DC) Shutter (ESC/MANUAL/FlickerLess) White Balance (ATW/AWC/MANUAL) DNR
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 (F1.8) B/W: 0.01 Lux(F1.8)
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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Specifications, components and options listed are subject to change without notice.