

H.264/MJPEG 8CH Network Video Server

FW3870 is a stand-alone 8 channel network video server to transmit the supreme video and audio data over the TCP/IP network. FW3870 supports H.264 Video Compression standard, so that much less network bandwidth and storage space are required for video. Motion JPEG is also supported for maximum flexibility and integration possibilities.

FW3870 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. FW3870 converts the interlaced image from conventional analog camera into a progressive quality image. FW3870 makes it possible to monitor fast moving images in vivid and crystal clear quality.

The FlexWATCH[®] Network Video Server not only extends your existing analog CCTV or DVR systems into IP surveillance, but also enhances the existing one. FlexWATCH[®] is supported by many well known CMS partners, so it is possible to benefit from various CMS application. FlexWATCH[®]'s 10-year experience and higher performance is open to your qualified existing security systems.

The FlexWATCH[®] NVS (Network Video Server) is affordable for sites that can be expanded from fixed analog channels to additional network cameras. 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, 8ch Video Server

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

The best possible 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. 120/100fps (NTSC/PAL) live view @D1

Diverse I/O

8ch Video-input / 1ch Video-output, Loop-through
 8ch Audio-input / 1ch Audio-output
 8 DI/DO port, RS-485/232 for PTZ
 Multiplexed composite video output for 4ch

COMPATIBILITY

Supported by various well known CMS applications
 (Refer to our website for more information about partners)

Channel-based User Permission

Channel based multi level protection
 for live-cast PTZ, DI/DO and audio

19” Rack Mountable

1U-size 19” rack mount kit is available as an option



Technical Specifications



FW3870

Video Support	MJPEG / H.264 (simultaneous dual stream) Analog 8 Input channels & 1 Output Channel (loop through).	Alarm Management (for 4 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
IP camera Brand	FlexWATCH, Axis, Mobotix, Panasonic, Arecont vision, IQinVision, and Vivotek, etc. Please make sure the supported compression format according to the brand	Security	Channel based user password protection for live-cast, PTZ, alarm output and audio
Resolution (Analog channel)	D1 - 720x480 4CIF - 704x480 CIF - 352x240 QCIF - 160x112	Management Software	Supports 16, 32, 64, 128ch Management Software Full-featured PC NVR with matrix functionality
Live Casting	Streaming 8 video channels with full duplex live audio Up to 120 fps@ D1 when simplex	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)
Bandwidth Management	Frame rate control / Bandwidth control / CBR / VBR	Dynamic IP support	Dynamic IP service using www.ipcctvdns.com
Recording	N/A	System Integration Features	[Protocol] HTTP, TCP/IP, RTP/RTSP, Multicast, ARP, ICMP, Telnet, Ftp, PPPoE, SMTP, DHCP, uPNP, NTP (Some of protocols are only for built-in module) [SDK] Open HTTP API / ActiveX for live-cast with audio, playback, & PTZ [Service] Image upload / notification service / special service for POS integration
Recording storage	N/A	Installation and maintenance	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp
Recording condition	N/A	Misc.	OSD (On-Screen Display) Transmit serial input data with video Quick Time & VLC media player compatible
Recording frame rate	N/A	System hardware	32bit RISC CPU / Embedded Linux / 128MByte DDR2 RAM / 8MByte Flash
Search	N/A	Power	Power Supply - SMPS 12V (3A) [AC100-240V, 50/60Hz, 1.5A] Power Consumption - DC12Volt, 0.8A
Playback	N/A	Approvals	KCC, FCC(Class A), CE(Class A), RoHS
HDD management	N/A	External Interface	8ch video inputs & 1 composite output (75 ohm/Hi-Z) 10/100/1000-Base-T Ethernet (auto-sensing) 8 photo-coupled or 8 digital inputs (NC/NO selectable), 8 relay outputs 8 audio input / 1 audio output 2 serial ports(COM: RS-232, AUX: RS-232 or RS-485 of RS-422) Factory Default Button
PTZ support	Built-in PTZ device protocol with more than 30 different PTZ protocols from Pelco, Vicon, Kalatel, Sony, Panasonic, Canon, Honeywell, etc	Dimension / Weight	240(W) x 224(D) x 44(H) (in mm) 1.62kg without Power Supply
Audio support	8 bit PCM, Sampling rates 8KHz, Mono Audio 8ch audio-in & 1ch audio-out	Working Environment	Temperature : 32° ~ 122°F (0° ~ 50°C) Humidity : 20~80% RH
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)	Rack Mountable	1U size 19" Rack Mountable

* All specifications are subject to change without prior notice.

Accessory (sold separately)



19" 1U rack mount kit