FlexWATCH®

IP-16Ch Network Video Recorder

IP-16ch Network Video Recorder, FW-5071-VR-C is a stand-alone 16 channel high- performance network video recorder. FW5071, fully IE browser enabled network video recorder, can display, record and playback the real time MJPEG, MPEG4 and H.264 video streams transmitted from any FlexWATCH® IP cameras and video servers over TCP/IP network. It also supports multi-vendors' IP cameras and Video Servers such as Axis, Panasonic, Mobotix, Arecont Vision*, IQinvision, Vivotek and so on.

FW5071 is based on Unified Communication Protocol. Compared with other NVR (s/w or h/w based) products, FW5071 requires only single TCP port for remote live view, playback and configuration. It minimizes network configuration burden and realizes much easier way for video management. By accessing FW5071 locally or remotely, IP cameras connected to FW5071 can be viewed and controlled.

FW5071 is affordable for 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

High Performance (H.264 stream)
Two HD cameras real-time (max 60fps) recording & live view
Max 6 HD cameras recording(only) at 15fps/each camera
Max 8 HD cameras recording(only) at 7.5fps/each camea
Simultaneous recording, live, playback and backup

Multi-Vendor Supports
Axis, Panasonic, Mobotix, Arecont, IQinvision, Vivotek, etc

Unified Communication Protocol
Single TCP port only for view, playback and control
Single TCP port (e.g., HTTP:80) for command and control

MJPEG/MPEG-4/H.264 NVR
MJEPG / MPEG-4 / H.264 supports selectively
16ch simultaneous streams support
Audio recording & transmission (selectively)

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

Applications

FW5071 is specially designed to meet high-end video application covering a small-mid size area with various types of IP cameras and video servers
Followings are recommended application area,

- Franchise / Branch office Monitoring
- SOHO / Home Security
- Unmanned Facility Remote Surveillance
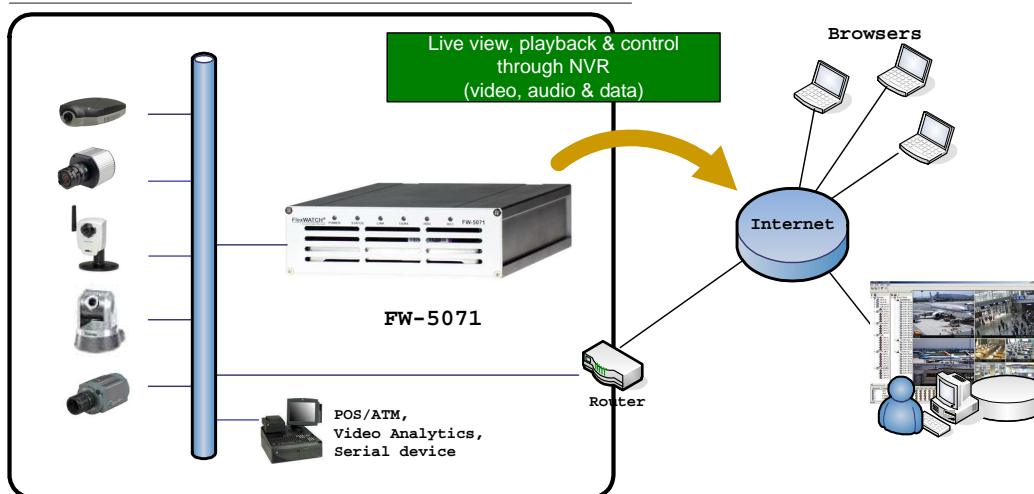- Serial Device / POS integrated Application

Supported Vendors

ACTi — Connecting Vision | Arecont Vision | AXIS COMMUNICATIONS | IQinVision | MOBOTIX | Panasonic ideas for life | VIVOTEK

Some of models are under the integration. Please contact www.flexwatch.com for the details

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Video channels	1 ~ 16 IP cameras	**HDD management**	Disk full notification / Periodic notification via e-mail HDD error notification via e-mail HDD error notification using beep sound (for local area notification)
IP camera Brand	FlexWATCH, Axis, Mobotix, Panasonic is supported now. 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
Recording storage	Supports up to 2TB by SATA HDD	**Dynamic IP support**	Dynamic IP service using www.ipcctvdns.com
Recording	[Video Recording] MJPEG / MPEG-4 / H.264 [Audio Recording] G.711 (4-bit, 8KHz) recording support [Data Recording] POS, ATM, Video Analytics, Access Control and various serial devices Please make sure the recording streams according to the brand Note: Please see below table and figure for recording performance	**Software (default Web interface)**	Live-cast, PTZ control, search and playback through Web browser (Minimum PC requirement - XP, Vista, 7 / IE 6.x or later / Pentium III 500 MHz or above or equivalent AMD / 64MByte RAM or above) For H.264 stream display, Intel Core2 Duo(or higher) with min 1G memory is strongly recommended
Live Casting	16 channels of video, audio and data	**Software (Multi-NVR Player)**	Optional (freeware available) Search and playback video with audio from registered NVR (Minimum PC requirement - XP, Vista / IE 6.x or later / Pentium III 500 MHz or above or equivalent AMD / 64MByte RAM or above)
Bandwidth Management	Bandwidth control according to 32kbps resolutions	**Software (FW-Manager 3.xx or its equivalent)**	Supports 16, 25, 36, 64, 128, 256ch (9ch & 16ch freeware available) Full-featured PC NVR with matrix functionality (Minimum PC requirement – XP / Pentium IV 1.6GHz or above / 256MByte RAM or above / 64MByte video memory or above)
Recording condition	Scheduled recording Motion driven recording Event (DI/DO of each camera) driven recording Various recording mode according to multiple combination of date / time / alarm (using 'AND' & 'OR' condition)	**System Integration Features**	[Protocol] HTTP, TCP/IP, ARP, ICMP, Telnet, Ftp, PPPoE, SMTP, DHCP, NTP, uPNP, and ETC [SDK] Open HTTP API / ActiveX for live-cast with audio, playback, & PTZ [Service] Image upload / notification service / special service for POS integration
Search	Based on the multiple combination of date / time / event using 'AND' & 'OR' condition	**Installation and maintenance**	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp
Playback	Forward, reverse, fast forward, fast reverse, single step forward, single step backward	**Misc.**	Support NTP server
Synchronized playback	16 channels can be played simultaneously	**Power**	Power Supply - SMPS 12V (5A) [AC100~240V, 50/60Hz] Power Consumption - DC12Volt, Normal : 1.0 Peak : 1.8
Backup	Video data can be backed up to a remote computer In AVI format / FJP format (FlexWATCH AV clip format)	**Approvals**	FCC, CE, RoHS
PTZ support	PTZ cameras can be controlled remotely through NVR	**Proxy Supported**	All Interface to network device through only one standard Web Interface - Video Proxy - Audio Proxy - PTZ Proxy - DI/DO Proxy
LAN	10/100/1000-base-T Ethernet Interface	**Dimension / Weight**	140 (W) x 224 (D) x 44(H) (in mm) 0.95Kg (2.1lbs) without Power Supply & HDD
UART support	Console, By-pass command to control UART device	**Working Environment**	Temperature : 32°~ 122℉ (0°~ 50℃) Humidity : 20~80% RH

* All specifications are subject to change without prior notice

Network Diagram

Live view, playback & control through NVR
(video, audio & data)

Browsers

FW-5071

Internet

Router

POS/ATM,
Video Analytics,
Serial device

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