

FW-3850 / 8ch Network Video Server

8ch Video Server, FW-3850 is a stand-alone **8 channel network video server** which transmits the crisp real time live video and audio over the TCP/IP network. The FlexWATCH[®] FW-3850 has 8 internal composite video, audio and DI/DO inputs. Users can access and see the live-images from 8 cameras through standard Web browser over the LAN or Internet at anytime from anywhere.

The FlexWATCH[®] Network Video Server (NVS) extends your existing analog CCTV or DVR systems into IP surveillance. It's basically same as a Network Camera except does not have built-in camera. Besides it is designed to connect analog video signals from CCTV cameras or DVR loop-through, and digitizes analog video signals and sends digital images directly over the IP network, such as a LAN, intranet or Internet. All the functions and services of a network video server can be managed remotely via the network. Users can change the system configurations using a remote web browser or a CMS S/W.

The FlexWATCH[®] NVS 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.



Applications

FW-3850 is specially designed to meet high-end video application covering a small-mid size area with various types of analog CCTV-cameras for live-casting over the TCP/IP network.

Followings are recommended application area,

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

Key Features

MPEG-4, 8ch Video Server

8ch Video-input / 1ch Video-output, Loop-through
8ch Audio-input / 1ch Audio-output

Diverse I/O

8 DI/DO port, RS-485/232 for PTZ
Multiplexed composite video output for 8ch

High Performance

120/100fps (NTSC/PAL) live view @CIF

Channel-based User Permission

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

Top level of Event Services

Triggered by various events, conditions & schedule
Multi-window motion detection
Pre- and Post- image alarm buffering

Diverse I/O

8 Audio In / 1 Audio Out
8 DI/DO port, RS-485/232 for PTZ
Multiplexed composite video output for 8ch

19" Rack mountable

1U-size 19" rack mount kit is available!

Technical Specifications

FlexWATCH®

3850 Network Video Server

Video Encoding	MPEG-4	Dynamic IP support	Dynamic IP service using www.ipcctvdns.com
Video channels	Analog 8 Input channels & 1 Output Channel.	Software (default Web interface)	Live-cast, PTZ control through Web browser (Minimum PC requirement - XP, 2000, Vista / IE 6.x or later)
Compression	MPEG-4: 6 levels (low compression / highest / high / normal / low / lowest)	Software (FW-Manager 3.xx)	Supports 16, 25, 36, 64, 128, 256ch (9ch freeware available) Full-featured PC NVR with matrix functionality (Minimum PC requirement - XP, 2000 / Pentium IV 1.6GHz or above / 256MByte RAM or above / 64MByte video memory or above)
Resolution	4CIF - 704x480 (NTSC) / 704x576 (PAL) 2CIF - 704x240 (NTSC) / 704x288 (PAL) CIF - 352x240 (NTSC) / 352x288 (PAL) QCIF - 176x112 (NTSC) / 176x144 (PAL)	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 [Service] Image upload / notification service / special service for POS integration
Live Casting	Streaming 8 video channels with full duplex live audio Up to 120/100 fps@ CIF (12.5KB) when simplex	Installation and maintenance	Configuration: installation wizard, HTTP, telnet and console. Upgrade firmware: HTTP, telnet & ftp
Audio Encoding	G.723 (4-bit, 8KHz)	Misc.	OSD (On-Screen Display) / Time-stamp on video Transmit serial input data with video Support NTP server
Audio channels	8ch audio-in & 1ch audio-out	System hardware	32bit RISC CPU / Embedded Linux / 64MByte SDRAM / 8MByte Flash
PTZ support	Built-in PTZ device protocol with more than 30 different PTZ protocols from Pelco, Vicon, Kalatel, Sony, Panasonic, Canon, Honeywell, etc	Power	Power Supply - SMPS 12V (3A) [AC100~240V, 50/60Hz] Power Consumption - DC12Volt, Normal : 1.5A, Peak : 1.6A
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)	Approvals	FCC, CE, RoHS
Network	Frame rate control / Bandwidth control / CBR / VBR	Dimension / Weight	215 (W) x 290 (D) x 44(H) (in mm) 1.4Kg(3.08lbs) without Power Supply
Alarm Management (for 8 analog channels)	[Trigger Condition] Video loss / Video recovered / Motion detection (144 area) / 8ch alarm inputs / Boot finished / Serial input / Schedule [Alarm Service] Image holding service (Max 19.2MByte pre-post alarm buffer) Image upload service through E-mail / FTP (support pre & post) Notification service through TCP / UDP / HTTP / 8 alarm outputs	External Interface	8ch video inputs & 1 composite output, 3x3 Multiplexed display (75 ohm/Hi-Z) 10/100-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)
Security	Channel based user password protection for live-cast, PTZ, alarm output and audio	Working Environment	Temperature : 41~122 F (5~50 °C) Humidity : 20~80% RH

Accessory



19" 1U rack mount kit

Sold separately



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www.flexwatch.com