

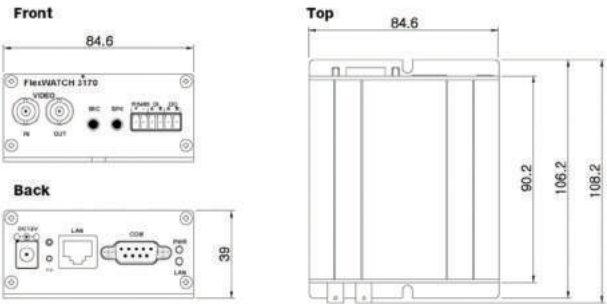
FWS200

1CH, HD–SDI Video Server



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FWS200 is a stand-alone HD–SDI 1 channel network video server to transmit the supreme video and audio data over the TCP/IP network. FWS200 supports simultaneous H,264 and MJPEG Video Compression, less network bandwidth and storage space required. FWS200 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. FWS200 converts the interlaced image from conventional analog camera into a progressive quality image. FWS200 makes it possible to monitor fast moving images in vivid and crystal clear quality



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• Key Features

- 1Ch. BNC IN/OUT
- G.711 2–WAY Audio
- RS–232/485 PTZ support
- Max. 30/25fps @ 2M (1920x1080)
- Dual Streaming (H,264, M–JPEG)
- Hardware Intelligent Motion Detection
- Built-in PoE, USB
- ONVIF (Profile S) Standard

• Tech Notes

Audio Broadcasting

By Audio broadcasting function, FlexWATCH NVR can broadcast audio with the mic, on FlexWATCH NVR to multiple speakers at FlexWATCH IP cameras connected in the network. It can broadcast the audio up to 32ch of IP cameras by the any GROUPs at the same time.

NVR using SD card

NVR functions are perfectly implemented at IP camera with various recording modes. Smart search is available through NVRs, PCs and mobile devices.

Latency

Latency is request and response time between IP cameras and remotely connected client devices or servers. FlexWATCH IP camera shows the lowest Latency time (25%~40% better) against popular other IP cameras from various brands.

FWS200

► Technical Specifications

Video Server

Analog Input 1Ch.

Video

Streaming	Dual Streaming
Compression	H,264, M–JPEG
Resolution	1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Max. Frame Rate	30fps, 25fps
Bit Rate Control	VBR, CBR (H,264 only, 32K~12Mbps)
Frequency Control	NTSC, PAL
Buffer	Max. 5,6Mbyte pre/post alarm buffer
Privacy Masking	8 Privacy zone
Motion Detection	On (144 block selection), Off
Video Analytics	–
Flip	Vertical (On, Off), Horizontal (On, Off)
PTZ	PTZ device control through serial port

Interface

Video Out	1 HD–SDI Out
Audio In/Out	2–WAY (1 in, 1 out)
Audio Compression	G,711
Alarm In/Out	1 DI, 1 DO
Serial Port	RS–232C, RS–485
Peripherals	–
Memory Slot	1 MicroSD Slot

Network

LAN	10/100–base–T (auto sensing)
Protocol	HTTP, RTP/RTSP(Uni/Multicast), TCP/IP(v4/v6), UDP, FTP, Telnet, HTTPS, RARP, SNMP, DHCP, NTP, SMTP client, uPnP&etc
Standard	OnVIF (Profile S)
Viewer	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App
Dynamic IP	DDNS (www.ipcctvdns.com)
Smart Solution	FlexWATCH Mobile (Android, iOS)
Security	HTTPS, Encrypted & Basic Authentication

Hardware

System	32bit Embedded Linux, 256Mbyte SDRAM, 128MBytes NAND Flash
Approvals	KC, FCC, CE, RoHS
Working Condition	–10℃ ~ +50℃, 20% ~ 80% RH
Power Supply	SMPS, DC 12V @1A
Power Consumption	Max. 4.8W
Dimension	84.6(W) x 108.2(D) x 39(H) mm
Weight	About 236g without Power Supply