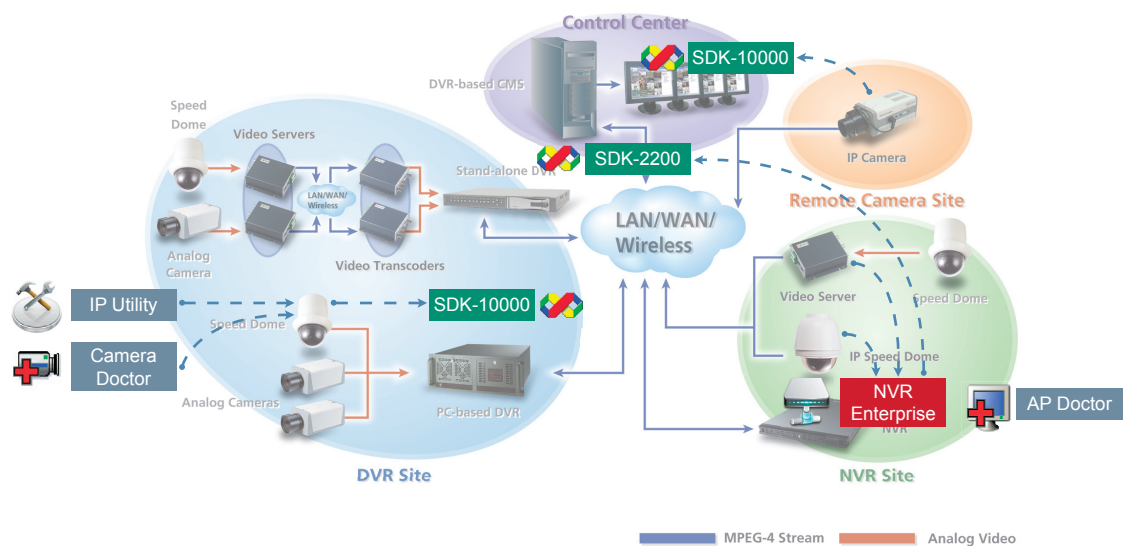


ACTi SDK



- One SDK for all products
- SDK for ACTi NVR Server
- Support DivX, XviD, FFMPEG, Intel IPP Decoder
- Support Megapixel, Full D1, VGA, CIF, QCIF resolution
- Support MPEG-4, H.264 and MJPEG format
- Support Visual C++, VB6, VB.Net, Javascript + HTML language
- C SDK Edition
- ActiveX Control Edition
- URL Command Edition
- RTP/RTSP Edition
- Linux C SDK Edition
- Windows Mobile C SDK Edition

POSITIONING



SDK-2200

- SDK for ACTi NVR Server
- C SDK Edition
- ActiveX Control Edition
- URL Command Edition
- Linux C SDK Edition

SDK-10000

- SDK for all ACTi products
- C SDK Edition
- ActiveX Control Edition
- URL Command Edition
- RTP/RTSP Edition
- Linux C SDK Edition
- Windows Mobile C SDK Edition

**PRODUCT SPECIFICATION****Development Environment**

Environment	Windows 2000, Windows XP, Windows 2003, Windows Vista
Programming Language	Visual C++ v6.0, Visual Studio.Net 2003, Visual Studio 2005, Visual BASIC v6.0, VB.Net, HTML, JavaScript

SDK-10000

SDK Offerings	C SDK, ActiveX Control, URL Command, RTP/RTSP Package
Supported Devices	ACTi IP Camera, IP Dome, IP Speed Dome, Video Server, Quad Video Server
Supported Resolution	Megapixel, Full D1, VGA, CIF, QCIF
Format	MPEG-4/H.264/MJPEG
Standard Decoding	Supports FFMPEG, DivX, XviD, Intel IPP decoder
Protocol	TCP, Multicast, RTP/RTSP
Preview	MPEG-4/H.264/MJPEG streaming, decoding, render and display
RGB Buffer	Callback function to retrieve RGB buffer
Audio	2-way audio supported. Audio format complies with PCM 8KHz sampling rate
Recording	Recording, alarm recording with pre-event, post-event recording time. MPEG-4/H.264/MJPEG raw data and AVI format supported
Playback	Playback recorded archive with speed control, forward/backward direction control, seek and frame-by-frame operation
Motion Detection	Callback function supported when a motion event detected
Digital I/O Event	Callback function supported when a digital input is triggered
Serial Port Function	Sends serial port commands or receives data from serial port.
PTZ Function	Pan, Tilt, Zoom, Preset, IRIS, OSD, Absolute Position
PTZ Protocols	CAM-6500, CAM-6600 series; Pelco-P, Pelco-D, Lilin, Dynacolor, TOA, Eyeview, VideoTrec
Sample Codes	AbsolutePosition, ArchivePlayer, ArchivePlayerMultiFile, ControlSample, DecodeSample, MediaConverter, PTZSample, RTPSample, StreamSample, SearchSample, SendAudio, URLSample

Linux C SDK Edition

Environment	Red Hat, Fedora Linux
Programming Language	C Language
Format	H.264/MPEG-4/MJPEG
Protocol	TCP, Multicast, RTP/RTSP
NVR Connection	Connects to NVR and receives stream
Audio	2-way audio supported. Audio format complies with PCM 8KHz sampling rate
Control Port	Connects to control port and receives motion detection and DI events
Sample Codes	audioout, control, mc, quad, url, vs, stream

SDK-10000 Windows Mobile Edition

Environment	Microsoft Windows Mobile 5, Windows Mobile 6
CPU	Intel XScale (Recommended) Samsung
Programming Language	Visual Studio 2005, C/C++
Resolution	Up to D1@5 FPS with 1.5 Mbps or CIF@15 FPS with 1.5 Mbps
Sample Codes	Preview, PTZ, Preview from NVR

RTP/RTSP Edition

RTP Protocol Flow	RTSP request commands, OPTIONS, DESCRIBE, SETUP, PLAY, PAUSE, TEARDOWN
MPEG-4 Data Structure	Packet format, video payload, audio payload, B2 header description
Sample Codes	Video Sample, Control Sample, PTZ Sample, Sound Player Sample, URL Sample

SDK-2200

SDK Offerings	C SDK, ActiveX Control
Supported Devices	ACTi NVR Server Enterprise Edition
Format	MPEG-4/H.264/MJPEG
Audio	2-way audio
PTZ Controls	Controls PTZ operations via ACTi NVR
ACTi NVR Management	Query system information; add, delete devices via ACTi NVR
ACTi NVR Monitor	Monitor ACTi NVR system resources, disk capacity, recording, schedule and system logs
Search Video Clips	Search video clips recorded on ACTi NVR
Remote Preview	Preview ACTi IP Camera Video via ACTi NVR
Remote Playback	Playback recorded archives on ACTi NVR
Event Management	Events will be passed via ACTi NVR
Sample Codes	Remote search, remote Preview, remote playback

Sample Codes

AbsolutePosition	Use absolute position to control PTZ camera.
ArchivePlayer	Preview a RAW file with playback function.
ArchivePlayerMultiFile	Play multiple RAW file seamlessly
ControlSample	Setup control port connection and receive event from device directly
DecodeSample	Supported functions include connects to the device, receives RAW data, decode MPEG4/H.264 to RGB buffer, display RGB buffer, and save to BMP file
MediaConverter	Convert RAW file to AVI format
PTZSample	Get PTZ command from PTZParser library and send PTZ command via URL command
RTPSample	Connects to device using RTP over UDP or RTP over Multicast, and support audio function
StreamSample	Functions included: Live view via TCP, Multicast, RTP 2-way audio, record, playback Get/Set device configuration Motion detection, DIO
SearchSample	Search for connectable devices
SendAudio	Send wave file to device.
URLSample	Send URL request and receive URL response from device.

* ACTi SDK is available upon request for integration.

* All specifications are subject to change without notice.

* All brand names and registered trademarks are the property of their respective owners.