

GIPS VideoEngine PC SDK

Enabling Voice and Video for Unified Communications

As the workforce becomes more mobile, and consumers seek to keep in touch with friends and family, the demand for improved communications continues to grow. Previously isolated applications are now converging and adding advanced features, such as real-time video. GIPS VideoEngine PC SDK is the perfect solution for companies looking to stay at the forefront of the growing market for next-generation Unified Communications applications.

Complete Communications Platform

GIPS VideoEngine PC SDK delivers all the tools that PC application developers need to create full-featured Unified Communications and Voice and Video over IP solutions. The SDK has the robustness to provide all the communications features the market is demanding, yet the flexibility to allow developers to seamlessly build voice, video and SIP into virtually any application. In addition, because VideoEngine SDK has a high-level API, developers can focus on their core competencies, while ensuring GIPS handles all the difficult media processing and call control with assured quality.

Cutting-Edge Features

GIPS VideoEngine SDK is a complete framework built upon GIPS' award winning VideoEngine™ technology. VideoEngine PC is the leading media processing solution on the market, delivering the highest quality voice and video available. The solution empowers applications with advanced media processing technology to handle delay and packet loss associated with IP networks, and includes both proprietary and industry standard audio and video codecs. In addition, the SDK's SIP capabilities enable softphones and UC applications with standards-based call set up, STUN and presence. Since GIPS VideoEngine SDK has been optimized for PC environments, VoIP and UC endpoints can leverage its advanced functionality in a stable and efficient manner.

Benefits

- High-level API for easy integration
- HD video for cutting-edge desktop video clarity
- High quality voice and video under adverse network conditions
- Accelerates time-to-market
- Backed by a support organization dedicated to customer success
- Standards-based technology ensures interoperability



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Features

Complete Framework for Voice and Video

- Robustness against packet-loss and delay
- GIPS audio and video codecs
 - includes iSAC and iLBC audio codecs
 - LSVX video codec
- Optional support for standard codecs
- Voice/Video Synchronization
- Adjustable video quality settings
- Microphone and speaker volume control
- Automatic traffic shaping
 - Ensures highest audio and video quality for any network connection or on any platform
- Privacy (Start/Stop sending video)
- Recording
- Speech level indicator
- Advanced video rendering
 - Full screen mode
 - Resizing
 - Addition of text
- Interoperability with leading web cameras¹
- Acoustic Echo Cancellation
- Noise Suppression
- Automatic Gain Control

Call Handling

- SIP session initiation
- NAT traversal via STUN
- 3-way calling
- Call forwarding
- Call waiting
- Caller ID

Presence

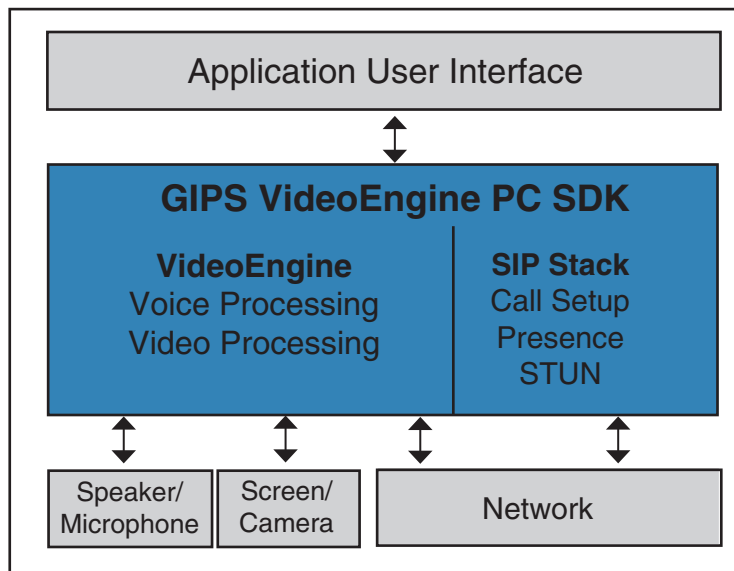
- Support for SUBSCRIBE
- Support for NOTIFY

Platforms

- Windows 2000, 2003, XP and Vista

1) For a complete list of supported webcams, please contact a GIPS representative

Application Built on VideoEngine SDK



www.gipscorp.com