

GIPS VoiceEngine™ Multimedia

Enrich the collaborative environment

GIPS VoiceEngine Multimedia combines the power and proven performance of GIPS VoiceEngine with high quality video conferencing support. The GIPS multimedia package revolutionizes the way audio and video soft phones are implemented, by providing:

- Support for HD video for Desktops
- Complete framework for both video and voice soft phones
- Best combined video and audio performance on the market
- Advanced techniques to handle jitter, packet loss, CPU and bandwidth constraints
- Multiple platform support
- Support of any voice and video standard

Right content at the right time

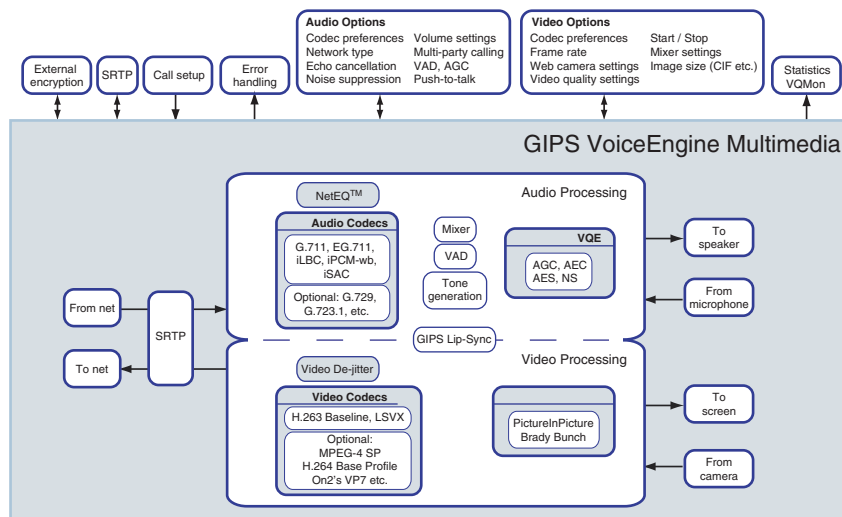
GIPS VoiceEngine Multimedia includes a comprehensive, and yet configurable, set of features that meet today's requirements for a full-fledged multimedia soft phone. Global IP Solutions has pioneered the way soft phones are built and sound, and GIPS extensive field experience has resulted in a simplified integration process -- enabling rapid time to market of high quality VoIP audio and video applications.

High quality multimedia

GIPS VoiceEngine Multimedia includes the complete set of features that are defined in the GIPS VoiceEngine Advanced product together with a set of advanced video codecs. Global IP Solutions has integrated LSVX, along with the industry standards H.263, MPEG-4 and H.264 to provide the best-in-class high definition video possible.

High Level Automation

Through different automated and wizard techniques, the users of GIPS Multimedia package do not have to worry about jitter, packet loss, CPU, bandwidth and platforms constraints. GIPS VoiceEngine Multimedia will provide the best quality under each given condition. No additional time consuming 'plumbing' development is needed.





GLOBAL IP SOLUTIONS

GIPS VoiceEngine™ Multimedia

Features

- High level API on all platforms
- Complete framework for both video and voice
- Audio features as defined by GIPS VoiceEngine Advanced
- Video/Voice Synchronization
- Traffic Shaping
- Graceful degradation
- Video Quality Mode Settings (LSVX)
 - Quality mode
 - Frame-rate mode
 - Video mode
- Packet loss robustness
- Quality Settings
 - Adaptable codecs/frame rate/image size
 - Automatic optimization on quality or complexity
 - Automatically adjust bit rate for best combined audio and video quality
 - Performance notification alarm for CPU threshold
 - Motion Detection triggering sending of new key frame
 - LSVX automatic resizing based on remote rendering size
- Privacy (Start/Stop sending video)
- Internal video snapshot
- Support for Video Codecs
 - H.263 Baseline, GIPS LSVX, MPEG-4 Simple Profile (part of Visual)¹, H.264 Base Profile¹, VP7¹ from On2 Technologies
- Standard Web Camera Interoperability
- Image processing
 - Utilization of Windows rendering capabilities
 - Possible to use external rendering techniques
 - Video display
 - Resizing of image
- Handle several incoming video streams
 - Picture-in-picture
 - Up to 4 party a la Brady Bunch
- Handle several outgoing video streams
- RTCP, SRTP
- Support for Windows 2000², 2003, XP, Vista, Linux and Mac OS X

1) Not including licensing.
2) Requires DirectX 9.0