



Visual Nexus®

SIP Version 1

# SIP Option Gateway



The Visual Nexus SIP Option is a gateway between SIP and H.323 voice and video conferencing systems enabling multi-media communication solutions to be built using the strongest products from both standards.

Modern organisations are faced with a dilemma when creating unified communication systems as IP Telephony, Microsoft collaboration and video conferencing are all based on different standards. Visual Nexus SIP Option bridges the gaps between these islands enabling complete collaborative communication solutions to be built.

The Visual Nexus SIP (Session Initiation Protocol) Option Gateway is a software product supporting both

- **IP Telephony**  
Enables calls between an enterprise IP PBX, videoconferencing system and VoIP gateways.
- **Microsoft Networks**  
Allows users of Microsoft Live Communication Server and Office Communicator to make calls to other video systems.
- **IP Conferencing**  
When IP conferencing is combined with the Visual Nexus Meeting Server, business communications become extended to include SIP, or H.323 clients in multipoint meetings.
- **Extending IP Communications**  
Adding Visual Nexus Secure Transport to the SIP Option solution extends business IP communication beyond organisational boundaries.

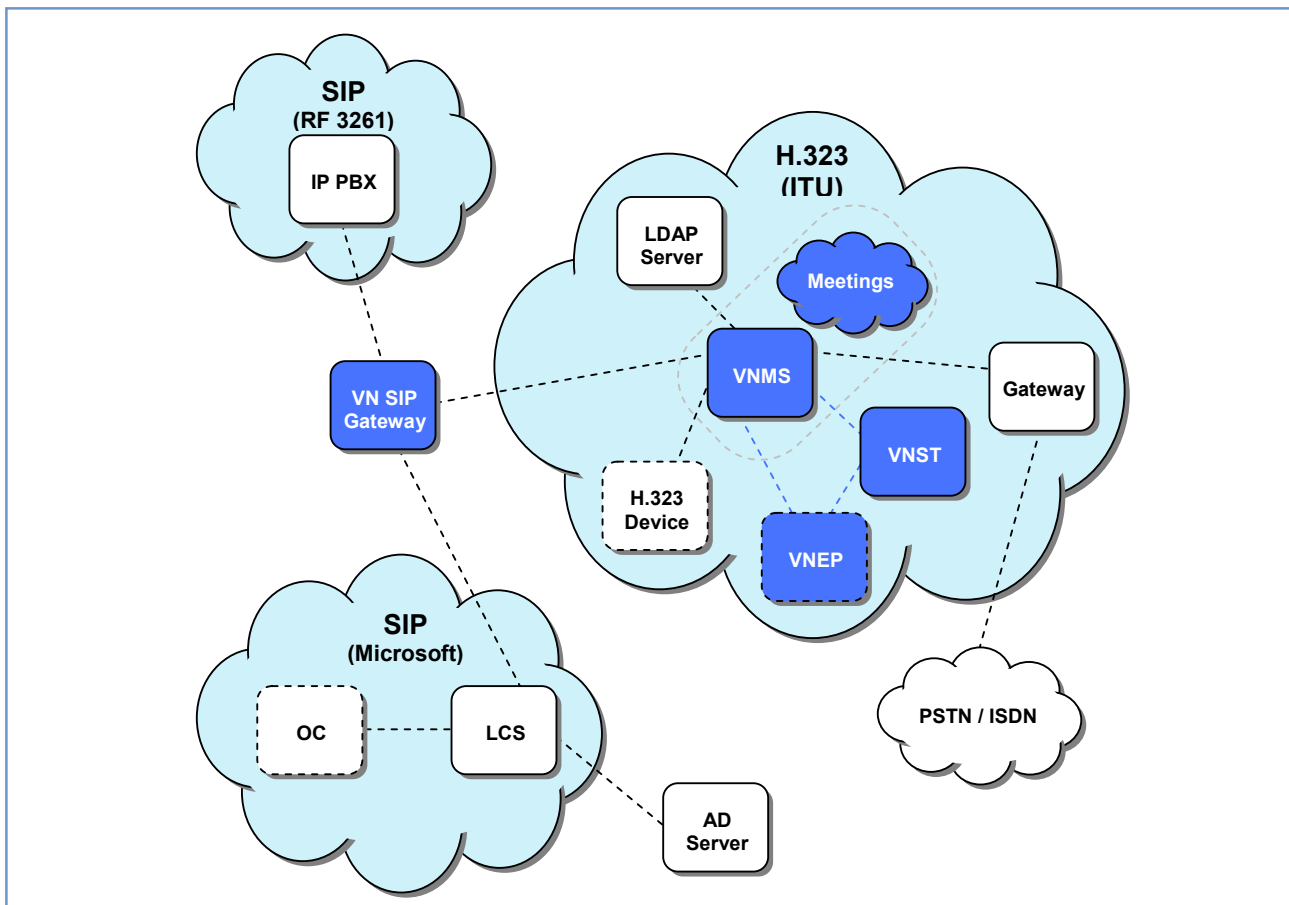
video and audio calls. It is a bridge that translates between the SIP standard used widely for newer voice over IP (VoIP) systems, and the H.323 standard currently used throughout the video conferencing industry and first generation VoIP networks, enabling devices based on the two different standards to easily communicate

It extends the business communications reach for corporations by facilitating calls between different devices such as IP telephones; video conferencing systems and Microsoft™ technologies including Live Communication Server (LCS) and Office Communicator. All these can now communicate in either point-to-point calls, or participate together in virtual meetings via the Visual Nexus Meeting Server.



Completing the communications needs of modern business

# SIP Option Gateway



AD	– Microsoft™ Active Directory	PSTN	– Public Switched Telephone Network
ISDN	– Integrated Services Digital Network	VNMS	– Visual Nexus Meeting Server
LDAP	– Lightweight Directory Access Protocol	VNST	– Visual Nexus Secure Transport
LCS	– Microsoft™ Live Communications Server	VNEP	– Visual Nexus Endpoint
OC	– Microsoft™ Office Communicator		

## Specifications

<b>Protocols</b>	H.323 ver4 (ITU-T) SIP
<b>SIP Variants</b>	Standard IETF RFC 3261 Microsoft™ for Live Communication Server and Office Communicator
<b>Codecs</b>	Audio – G.711, G.722 Video – H.261, H.263
<b>Server Software</b>	REDHAT Linux: Enterprise Server 3 and 4; Advanced Server 3 and 4; Fedora 4 CentOS 4.4
<b>Minimum Hardware Requirements</b>	Intel® Pentium® 4 or Xeon® processor, 2.8 GHz or higher (Dual-processors are supported) 1GB memory or higher; 100BASE-TX network interface
<b>Transport Protocols</b>	Signalling – TCP or UDP

In our constant effort to improve solutions, Visual Nexus Ltd. reserves the right to change or modify features and specifications without notice. VN321-03-03-005 Issue 002