



The Visual Nexus® Meeting Server is a software product that manages integrated, audio, video and data meetings and conferences, allowing participants to fully collaborate online.

The Visual Nexus Meeting Server sets up point-to-point and multi-point communication connections, supporting any standards based endpoint or device. It controls the flow of audio, video, and data between meeting participants. A variety of meeting and conference types are supported, including presenter, or chairman-controlled meetings, open forum, scheduled or ad-hoc meetings.

- **Meet Online When & Where You Need to**
A complete solution integrating audio, video, and data, in one system, the Visual Nexus Meeting Server manages calls for both ad-hoc meetings and scheduled conferencing.
- **Extend Your Existing Communication Systems**
Consider the Visual Nexus Meeting Server as an on add-on system and not one that replaces your exiting investment in conferencing communications. It conforms to international standards therefore interoperates and extends the functionality of standards based third party systems, connecting calls between these and any endpoint or other communication systems.
- **Scaleable - Evolves with Your Needs**
The flexibility of software means that the Meeting Server is designed to meet the demands of the smallest to the largest of deployments. Licensing can be incremented in single units and shared across several servers in a distributed network.
- **Always Up-To-Date**
The Meeting Server is implemented in software allowing you to easily add the latest feature or function.

The Meeting Server is architected to be deployed as either a single server, or multiple servers. These may be distributed locally, or company wide across an organisation's network supporting any combination of a low number of participant conferences to very large conferences, as well as multiple meetings – all at the same time.

The Visual Nexus Meeting Server is implemented entirely in software. This means the system can grow as your meeting needs grow. Expansion is just the cost of an additional off-the-shelf Intel® or compatible Linux server, (which shares the same license pool), or the addition of licenses that can increment in steps of just one.

Cost comparisons with other systems mean that ROI is much quicker. There is no need to have hardware systems or boardrooms installed at each office location and accessing your entire network infrastructure; and yet every person in your organisation can have access to online meetings. The ease of scalability means the larger the deployment, the more cost effective the system becomes. Updates and implementing the latest feature or function are logistically straightforward and as the system is designed purely in software. Therefore your initial investment is always secure and remains cost effective.



Meeting Server

Specifications

Protocols	H.323 version 4 and above (ITU-T). Visual Nexus Collaboration (VNC) application sharing . H.239 additional media channels (ITU-T). WebDav document distribution.
Codecs	Audio – All calls: G.711, G.722 plus TDAC24, TDAC32 Video – All calls: H.261, H.263 and H.264 (Video Resolution – 4CIF, CIF, QCIF)
Server Software	REDHAT Linux: Enterprise Server 4 and 5. Advanced Server 4 and 5. Advanced or Enterprise Edition 4 or 5 must be used for 64-bit processors. CentOS 4.4 and 5
Minimum Hardware Requirements	Intel® Pentium® 4 processor 3GHz or higher. Intel® Xeon® processor 2GHz or higher (dual-processors are supported). 1GB memory or higher. 100BASE-TX network interface.
Scalability	Up to 50 servers may be combined in a single cluster and may be networked across different locations. Up to 10 clusters may be neighboured together to form a communication nexus.

Gatekeeper

Supported Registrations	H.323 terminals. Visual Nexus Endpoint. Gateways. MCU.
Authentication	Visual Nexus Endpoint user name / password login via XML request. May use external LDAP server (e.g. Active Directory).
Dial Plans	Addressing scheme can utilise combination of E.164, H.323 alias and IP addresses.
Call Controls	H.323 version 4 and above (ITU-T). Fast-start. Call routed or Call direct. H.245 routing.
Neighbouring and Call Routing	Based on E.164 prefix (with substitution) and/or priority. LRQ (Location ReQuest) transmission for unresolved addresses for up to 10 neighbour gatekeepers
Call Forwarding Policies	Forwarding policies for each endpoint – one for each presence state (online, offline, busy). Gateway out of resources forwarding based on priority.
Registration Policy	Open – any device may register with/without a User account. Closed – only devices with a pre-configured User account may register.
Meeting Access Policy	Conference may be open or restricted . Access may be restricted on IP address, E.164 number, H.323 alias or Admin dial out only. Maximum number of participants may be specified.
Bandwidth Control	Policies for max bandwidth per endpoint or per conference: STATIC – no more endpoints may be joined once maximum is reached. DYNAMIC – new endpoint may join conference but each endpoint degraded to stay with maximum.
Call Detail Records	IP Telephony v3.51 supported

Other Features

MCU (Multipoint Control Unit)	Up to 2500 simultaneous connections, in one or multiple concurrent conferences; mixes 5 loudest speakers. Multiple video switching modes; normal and moderated conferences supported.
Presence Server	Contact Status – Offline, Online, Busy, Waiting Authorisation. Meeting Room Status – Available, In Session, Scheduled, Scheduled In Session.
Reservation System	Web based scheduling system. Event notification by email. Optional integration with Microsoft® Outlook® and Lotus Notes, or applications that conform to iCalendar standards.
Virtualization for multi-Tenant operation	May be configured in multi-tenant mode to create multiple virtual meeting servers on a single platform. Each tenant may add or administrate their own user accounts and private virtual meetings. Licenses and resource may be allocated to a tenant or shared across the system.
Administration	Using the VnOnline web portal, Administrators may create accounts and meeting profiles, monitor system usage, manage licenses and set, or update, gatekeeper rules. Users may download software clients, schedule meetings as permitted, and update personal profile information.

In our constant effort to improve solutions, Visual Nexus Ltd. reserves the right to change or modify features and specifications without notice. VN321-03-03-002 Issue 004