

# Visual Nexus Version 4.2 Meeting Server

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

The Meeting Server sets up point-to-point and multi-point communication connections, supporting any standards based video endpoint. It controls the flow of audio, video and data between meeting participants.

A variety of meeting and conference types are supported, chairman-controlled meetings, classroom style lectures, open forum, scheduled or ad-hoc meetings.



## VIRTUAL MEETINGS

Face-to-face virtual meetings from your personal computer or video conferencing systems.

## AS GOOD AS BEING THERE

You can see and hear the other participants in virtual meeting rooms from two to hundreds of colleagues. Includes all the data sharing and collaboration tools to make your meetings as productive as if you were in the same room

## USE FROM ANYWHERE

Join a meeting from a video meeting room, from home or your desk at work. All you need is a connection to the Internet

## Solution Overview

The Meeting Server is available in two models, SD only for use with standard definition clients or HD/SD mode for use with both SD and HD video endpoints. It is architected to be deployed as a private system across an organization's network or as the hub of a public virtual meeting service

The Visual Nexus Meeting Server is implemented entirely in software. This means the system can grow as your meeting needs grow. Expansion is done by the addition of software licenses that can increment in steps of just one.

With Visual Nexus every person in an organization can have access to virtual meetings. The scalability means the larger the deployment, the more cost effective the system becomes.

## Product Highlights

- **Extend Your Existing Communication Systems**  
The Visual Nexus Meeting Server can be an add-on to your existing investment in conferencing systems. Meeting participants can use existing video room systems or the Visual Nexus software endpoint.
- **Add collaboration and data sharing to video meetings**  
The Visual Nexus Meeting Server can act as a multipoint bridge for data collaboration as well as the video and audio streams in a virtual meeting.
- **Scalable - 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.

*Visual Nexus virtual meetings are as good as being there.*

*Achieve More; Travel Less*

#### MULTIPLE MEETING TYPES

Meetings can be

- ad-hoc: making a call to other online users,
- Scheduled: where invites are sent out to others to join a private meeting
- Moderated: where a meeting chairman decides who can speak or make a presentation
- Lecture mode: where participants only see the presenter, but the presenter can see all participants.

#### IN HOUSE OR HOSTED

The solution can be deployed as a private in house system or used to create a hosted service.

#### ADD DESKTOP VIDEO

Because Visual Nexus complies with industry standards, it can be used to add remote desktop video to existing video conferencing systems.

#### MORE INFORMATION

Visit the Visual Nexus website at [www.visualnexus.net](http://www.visualnexus.net)

## Specifications

<b>MCU</b>	
<b>Protocols</b>	<b>H.323</b> version 4 and above (ITU-T). <b>Visual Nexus Collaboration (VNC) application sharing</b> . <b>H.239</b> additional media. <b>WebDav</b> document distribution.
<b>Codecs</b>	Audio – All calls: <b>G.711</b> , <b>G.722</b> , <b>G.722.1 (Siren7 &amp; 14)</b> , <b>MPEG4</b> , plus <b>TDAC24</b> , <b>TDAC32</b> Video – All calls: <b>H.261</b> , <b>H.263</b> and <b>H.264</b> Video Resolution – <b>HD (1080p, 720p)</b> , <b>W432P</b> , <b>CIF</b> , <b>QCIF</b>
<b>Server Software</b>	<b>REDHAT Linux</b> : Enterprise or Advanced Server version 5 and above. 64-bit only. <b>CentOS</b> version 5 and above. 64-bit only.
<b>Hardware Requirements</b>	<b>Minimum Recommendation for HD:</b> Intel Xeon X3450 2.67GHz 4GB RAM, or Intel dual quad Core E5504 2.00GHz 4GB RAM or above
<b>Scalability</b>	From 3 to tens of thousands of users in a single logical system. From 3 to 550 participants in a single meeting.
<b>Gatekeeper</b>	
<b>Supported Registrations</b>	<b>H.323</b> terminals. Visual Nexus Endpoint. <b>Gateways</b> . Other <b>MCUs</b> .
<b>Authentication</b>	Visual Nexus Endpoint user name / password login via XML request. May use external <b>LDAP</b> server (e.g. <b>Active Directory</b> ).
<b>Dial Plans</b>	Can utilize combination of E.164, H.323 alias and IP addresses.
<b>Call Controls</b>	<b>H.323</b> version 4 and above. <b>Fast-start</b> . <b>Call routed</b> or <b>Call direct</b> . <b>H.245</b> routing.
<b>Neighboring and Call Routing</b>	Based on <b>E.164</b> prefix and/or priority. <b>LRQ</b> transmission for unresolved addresses for up to 10 neighbor gatekeepers
<b>Call Forwarding Policies</b>	Forwarding policies for each endpoint presence state (online, offline, busy). Gateway out of resources forwarding based on priority.
<b>Registration Policy</b>	<b>Open</b> – any device may register with/without a User account. <b>Closed</b> – only devices with a user account may register.
<b>Meeting Access Policy</b>	Conference may be <b>open</b> or <b>restricted</b> . Access may be restricted on <b>IP address</b> , <b>E.164 number</b> , <b>H.323 alias</b> or <b>Admin dial out</b> only. Maximum number of participants may be specified.
<b>Bandwidth Control</b>	Policies for max bandwidth per endpoint or per conference: <b>STATIC</b> – no more endpoints may join once maximum is reached. <b>DYNAMIC</b> – new endpoint may join conference but each endpoint degraded to stay within maximum bandwidth.
<b>Call Detail Records</b>	IP Telephony v3.51 supported
<b>Other features</b>	
<b>Presence server</b>	H.323 presence showing contact Status – Offline, Online, Busy; and Meeting Room Status – Available, In Session, Scheduled.
<b>Multi-tenant operation</b>	Multi-tenant mode creates multiple virtual meeting servers on a single platform. Each tenant may administrate their own user accounts and virtual meetings.
<b>Administration</b>	VnOnline web portal - Administrators may create accounts and meeting profiles, monitor system usage, manage licenses and gatekeeper rules.

In our constant effort to improve solutions we reserve the right to change or modify features and specifications without notice.



VMCi Ltd Science & Technology Centre, UoR  
Earley Gate, Reading, RG4 6BZ, UK  
Phone +44 118 324 1020 [www.visualnexus.net](http://www.visualnexus.net)