

Co-operation between medical professionals made safe and easy

VIMED® MULTIPOINT HD Suite makes it possible to conduct safe tele-medical video communication between various locations.

This comprehensive system improves your hospital communication dramatically and is easy to implement within your hospital organisation.

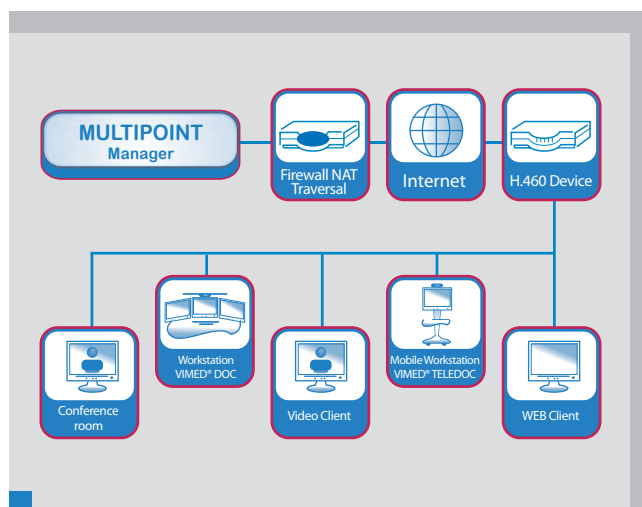
VIMED® MULTIPOINT HD Suite extends your opportunities communicating effectively over different pathways helping to improve the productivity of medical care.

■ Working together

In the networked world today the value of co-operative teamwork is undeniable. Case conferences, additional expert opinion or a second opinion all serve as diagnostic support. VIMED® MULTIPOINT HD Suite simplifies the task of physicians to connect with a host of compatible systems all over the world. Up to 36 simultaneous participants can be managed at one time.

■ Conferences made safe and easy

Effortless posting or receiving of requests for point-to-point or multipoint sessions through any firewall, liberates the participants from a struggle with technology. Enables full flexibility and compatibility with external systems.



VIMED® MULTIPOINT HD Suite connects High-Definition VIMED® TEKORA room systems with other components in the VIMED® system.

Both internal and external video communication between regular video conferencing systems operates unhindered through existing firewall barriers.

VIMED® Communications Manager

Identifies a flexible and versatile management system administering tele-medical video conferences between VIMED® Systems. It is the core of every integrated video conferencing network.

VIMED® MCU

Designates the all-in-one, High-Definition Multipoint Control Unit allows Video-Recording, Streaming, Multicast and Scheduling in one single box at an affordable cost.

VIMED® Network Traversal

A progressive encryption-server providing secure communication by solving connection problems through firewalls with network address translation (NAT) rules.

VIMED® Video Client HD

Identifies the progressive software for video communication. VIMED® Video Client HD provides High-Definition Video and Audio direct at your PC or notebook.

VIMED® WEB Client HD

Identifies the browser-based video-communication from anywhere at any time. Set-up and operate high definition Videoconferencing simply on virtually any computer.

Options

	HD 6	F HD 12	F HD 24	F HD 36
Number of Server	1	2	2	2
MCU Ports	6	12	24	36
MCU max. resolution	720p	1080p	1080p	1080p
Desktop licenses	20	50	100	200
Recording Client site	Ja	Ja	Ja	Ja
Recording Server site	Ja	Ja	Ja	Ja
MXM Licenses	40	75	125	250
FW/NAT – Calls	Alle	8	25	75

Key Advantages

- All-in-one conferencing, recording and management suite
- Full video solution simply deployed via 1 server (EVCSLT) or 2 servers
- Flexible, expandable and easily scalable
- High-definition MCU (1080p/720p) delivering enterprise-grade quality
- Unparalleled software-based videoconferencing client
- Convenient browser-based videoconferencing client
- Firewall / NAT Traversal for seamless and secure communications
- Multi-conference and management server provides simple deployment and use. It offers advanced conferencing capabilities throughout the network

Key Features

- Powerful MCU capabilities supporting large, high-definition videoconferences
- Up to 36 participants at 30 fps
- H.264 high-definition video compression, enabling high quality and maximum compatibility
- AAC-LD wide band audio compression combining the advantages of perceptual audio coding with the low delay necessary for two-way communication
- IVR – Interactive Voice Response, configurable for 10 languages
- Recording and Streaming - both server side and client side
- FW/NAT: H.460.18/19. – firewall and NAT transversal included in server, enabling end points to communicate with each other without the need of intermediate nodes
- Tunneling of video conference through a defined port
- H.323 GK, SIP Proxy. H.323/SIP GW – gatekeeper and gateway running Session Initiation Protocol, widely used for multimedia communication sessions
- Active Directory (AD) integration – providing distributed user management and authentication
- Backup and recovery utility – included, allows complete backup for easy recovery
- Call Detail Record (CDR) – containing details of all videoconferences through the EVCS
- Web-based management – administration, call initiation, report generation from virtually any location
- User license generation - admin has full control over password issue / license provisioning
- Scheduling and online conference moderation

MCU HD

- Video transcoding for H.261, 263 and H.264 up to 1080p, 720p, 4CIF and CIF resolution
- Voice controlled and Continuous Presence
- AAC-LD audio support with transcoding
- Streaming and recording for 3000 hours in CIF-, 2000 hours in 4CIF and 1000 hours in 720p and 500 hours in 1080p – quality
- Resource pool support up to 36 participants in arbitrary number of conferences
- Continuous presence allows the screen partitioning of up to 25 fields for 25 participants

Firewall & NAT Traversal

- Secure communication between systems inside and outside of LAN with firewall.
- Resolves connection trouble due to firewalls and network address translation processes
- Central management of up to 75 simultaneous calls
- Supports HD-endpoints sending and receiving video and data streams simultaneously
- Web-based management portal
- Supports H.460.18/19, H.323 und H.239

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Competence for telemedicine and eHealth

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