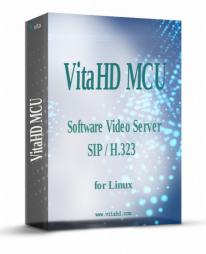# Software video conferencing server VitaHD MCU

IntegrIT VitaHD is a software Multipoint Control Unit (MCU) designed by team of professionals to offer affordable enterprise level alternative for corporate videoconferencing solutions. Highly scalable and flexible MCU running on hardware and VM platforms features user friendly WEB control interface, scheduled conferences, flexible layouts control, LDAP, Active Directory, integration with third party videoconferencing equipment, video surveillance, media content streaming servers.
Flexible licensing model minimize expenses and makes enterprise videoconferencing more affordable.

Functionality:
- Multipoint Conference Unit (MCU) with up to 256 participants;
- Up to 25 participants per layout;
- Video quality up to Full HD 1080p@60fps;
- Video encoding H.261, H.263, H.264, H.264 High Profile, H.265;
- H.323 / SIP signalling;
- Dual Stream H.239/BFCP up to 1080p@60fps;
- Third party equipment interoperability.

Conference:
- Scheduled and ad-hoc conferences;
- Call-in / call-out;
- Meeting PIN code access;
- Dual stream PDF, JPEG, BMP, TIFF, PNG;
- Email notification;
- Recording;
- Up to 32 conferences simultaneously;
- RTMP streaming;
- Technical/statistic information.

Call control:
- SIP/H323/RTSP calls;
- Re-dialing function;
- Call forwarding;
- Call priority.

Layouts control:
- Symmetrical, individual, automatic layouts;
- Static and dynamic layouts manipulation;
- Voice activated layouts.

Audio standards:
- G.711, G.719 (Siren22), G.722, G.722.1 (Siren7);
- G.722.1C (Siren14), G.723.1*, G.726*, G.728*, G.729*;
- AAC-LD, OPUS;
- DTMF.

Participant control:
- Disconnect notification;
- Audio/video mute/unmute;
- Preview;
- Visibility control;
- Gain control;
- Camera control;

Receive video resolutions:
- HD (1920 x 1080p), WSXGA+ (1680 x 1050), UXGA (1600 x 1200), SXGA (1280 x 1024), WXGA (1280 x 768), HD (1280 x720p), XGA (1024 x 768), SVGA (800 x 600).

Transmit video resolutions:
- CIF (352 x 288 px), SD (720 x 480 px), 720p (1280 x 720 px), 1080p (1920 x 1080 px).

Address book:
- SIP address;
- H323 address;
- Local address book;
- LDAP/Active Directory;
- Groups;
- Import/export.

Administration:
- WEB control panel;
- Call history;
- System events;
- User profiles;
- SNMP, NTP;
- Journaling.

Platform:
- Ubuntu, Debian, Astra Linux CE/SE 64 bit;
- Hardware / VM machine.