

BEEHD for Personal Devices

Video Communications Client Framework for Android Devices

BEEHD for Personal Devices is a complete video communications client framework solution, allowing service providers, application developers and device manufacturers to launch video calling services for their Android OS-based devices.

The Android operating system architecture is a challenge for developers wanting to add VoIP calling capabilities. RADVISION's BEEHD for Personal Devices solves this issue by providing a complete, pre-integrated solution that allows customers to focus on the GUI and high-level application, without any need for complicated integrations or VoIP know-how.

The BEEHD software solution is based on the BEEHD Client Engine that handles the signaling, media negotiations, streaming and management.

The solution comes with a set of APIs, a sample application in source code and comprehensive documentation.



Key Highlights

- **Shortest TTM (time-to-market):** complete client framework reduces development, integration and testing time required to deploy video communications clients.
- **Multi Platform:** mobile, tablet, PC and other Android - based platforms are supported.
- **Interoperability:** based on 18 years of market leadership in the VoIP market, all application aspects are standard based and rigorously tested for interoperability.
- **Highest Quality of Experience:** Utilizes advanced algorithms (SVC, NetSense™) assuring superb video quality even in harsh network conditions.
- **Complete End-to-End Solution:** Part of RADVISION's SCOPIA video communication infrastructure product line.

BEEHD for Personal Devices is designed for:

- **ODM/OEM and Device Manufacturers** looking to add video communications capabilities to their products.
- **System Integrators** looking for a complete client solution to easily integrate into their system.
- **Service Providers** looking to build a complete video calling service based on mobile handsets.
- **Application Developers** wishing to add VoIP to their applications.

Technology Offering

Complete Client Engine

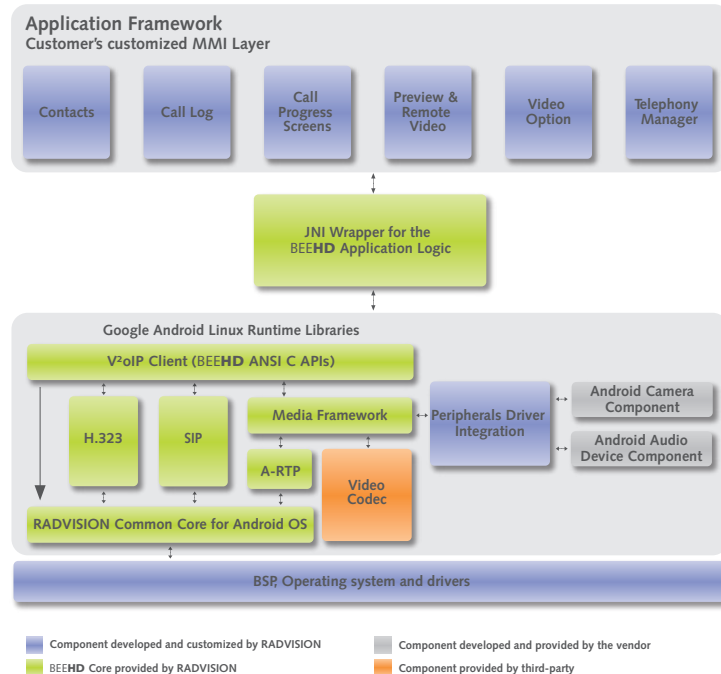
Multi protocol support (SIP, H.323); media control and codecs; superior video and audio quality; out-of-the-box sample application.

Integration with Hardware Platform

Provides an optimized solution for given platforms using hardware accelerators and seamless integration with peripherals, such as cameras, display, speakers and microphones.

IM/Presence Service Module

Standards-based instant messaging (IM) protocol (MSRP); interoperability with other IM protocols; standards-based Presence protocol (SIMPLE, XDM); service modules handling all Presence and IM application APIs.



Technical specifications

Signaling Protocols

- SIP (RFC 3261)
- H.323 V6
- Presence and IM: SIMPLE, XMPP/Jabber
- FW/NAT Traversal: H.460, ICE, STUN, TURN

Operating Systems

- Android 2.x
- iOS, Win Phone 7 - roadmap

Video

- H.264/AVC and H.264/SVC
- Frame rate: up to 30fps*
- Resolution: up to 720p*
- NetSense™ bandwidth estimation and adaptation technology
- Unequal Error Protection (UEP) using Forward Error Correction (FEC)
- Data Sharing (H.239/BFCP)

Audio

- G.711
- G.722, G.722.1
- Audio Engine including AGC, AEC, NS

Security

- Secure RTP, TLS, H.235

IOT

- Interoperable with all leading vendors and any standard video calling system

Complete Solution

BEEHD is part of RADVISION's solutions, which include:

- Infrastructure: MCU, gateways, management software, video quality tools
- Endpoints: room systems, executive systems, software endpoints
- Cloud services

* Depending on hardware chipset and platform performance

Note: Some features will be released in future versions

About Radvision

Radvision, an Avaya company, is a leading provider of video conferencing and telepresence technologies over IP and wireless networks. We offer end-to-end visual communications that help businesses collaborate more efficiently. Together, Radvision and Avaya are propelling the unified communications evolution forward with unique technologies that harness the power of video, voice, and data over any network. www.radvision.com

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