



## ESPICO

Specialists in Speech and Audio Software Development

### iLBC

Internet Low Bitrate Codec (iLBC) is a narrowband speech codec suitable for VoIP applications, streaming audio, archival and messaging. The codec is designed for narrowband speech and results in a payload bitrate of 13.33kbit/s with an encoding frame length of 30ms and 15.20kbps with an encoding length of 20ms. The iLBC codec enables graceful speech quality degradation in the case of lost frames, which occur in connection with lost or delayed IP packets.

The ESPICO implementations are highly optimised, realising low memory and MHz requirements. Contact ESPICO for specific resource requirements.



#### Features

- ◆ Bitrate 13.33kbps for 30ms frame size
- ◆ Bitrate 15.2kbps for 20ms frame size
- ◆ High robustness to packet loss

#### Availability

ESPICO's optimised solution can be ported to any platform. Supported platforms include:

- ◆ ZSP Cores including ZSP400, ZSP500, ZSP800 families
- ◆ ARM including Cortex and Neon™
- ◆ MIPS32 74K™
- ◆ Ceva DSP Cores

#### Applications

- ◆ VoIP
- ◆ Telephony
- ◆ Video conferencing

### Contact ESPICO Ltd

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