

Video, Imaging, Audio Codecs and Other Software

Video, imaging and audio codecs (compressor/decompressors) have become a part of everyday life. Among routine applications of the compression technology by individuals and enterprises are streaming video on computers, the signal received by satellite receivers or DVD player, compressed video to train employees at their desks, video conference calls, Cell phone video being done.

Floreat provides OEMs and ODMs with optimized video, imaging and audio codecs that are used for a range of multimedia applications on both client and server sides.

Video: MPEG4, H.263, H.264

Imaging: JPEG, JPEG2000

Audio: MP3, AAC, AMR, Wideband AMR

In order to reduce time-to-market, Floreat also supports its customers with middleware software, a configurable framework that permits OEMs of wireless and handheld devices to more easily integrate the codecs into their existing platforms.

Processors

We offer codecs that have been optimized on ARM, C55x, OMAP, XScale processors; other processor implementations are available on request. The low-power demands of these processors makes our software particularly suited to mobile applications.

Applications

Among the many uses of our software, it is optimized for and embedded in ARM based platforms of

- 1) MPEG4/Div X video players and recorders for Camcorders and Media Players
- 2) MP3/AAC audio players and recorders
- 3) Multiple node Videoconferencing

Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
 - NEC
 - STM
 - Zilog

- ▶ For further information on the standard, please click [ITU Standards](#).
- ▶ For our brief profile, please click [Company Profile](#).
- ▶ For further inquiry, please send us an [Inquiry Form](#) or send an email to info@floreatinc.com.